

2
P386Zd
1903/04

THE UNIVERSITY BULLETINS

THIRD SERIES—NO. 4. PART 2.

UNIVERSITY OF PENNSYLVANIA CATALOGUE

FASCICULUS

OF THE

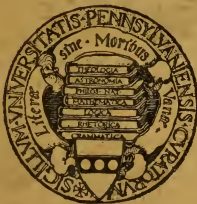
DEPARTMENT OF DENTISTRY

(1902-1903)

Announcements for 26th Annual Session

1903-1904

(First Edition)



Founded 1740

THE LIBRARY OF THE
SEP 27 1961
UNIVERSITY OF ILLINOIS

PHILADELPHIA :

PUBLISHED BY THE UNIVERSITY

APRIL, 1903

BI-MONTHLY

Entered at the Philadelphia, Pa., Post-Office as Second-Class matter.

SPECIAL NOTICE.

Copies of the University Catalogue (containing detailed information concerning all departments) may be obtained ONLY upon application to the Assistant Secretary, Room 101, College Hall. The Catalogue is sold at 25 cents a copy.

To any alumnus of the University, the Catalogue will be sent upon application, free of charge, on receipt of name, department, class and address.

The special announcement of any department of the University will be sent upon application to the appropriate Dean.

UNIVERSITY OF PENNSYLVANIA

FASCICULUS

OF THE

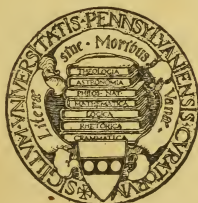
DEPARTMENT OF DENTISTRY

(1902-1903)

Announcements for 26th Annual Session

1903-1904

(First Edition)



Founded 1740

PHILADELPHIA :
PRINTED FOR THE UNIVERSITY
APRIL, 1903

| 1903. | | | | | | | | 1904. | | | | | | | | | | | | | | | |
|------------|----|----|----|----|----|----|---|-----------|----|----|----|----|----|----|----|------------|----|----|----|----|----|---|--|
| JULY. | | | | | | | | JANUARY. | | | | | | | | JULY. | | | | | | | |
| Su | Mo | Tu | W | Th | Fr | Sa | | Su | Mo | Tu | W | Th | Fr | Sa | Su | Mo | Tu | W | Th | Fr | Sa | | |
| . | . | . | . | 1 | 2 | 3 | 4 | . | . | . | . | . | 1 | 2 | . | . | . | . | . | . | 1 | 2 | |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 | | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | |
| 26 | 27 | 28 | 29 | 30 | 31 | . | | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | |
| . | . | . | . | . | . | . | | 31 | . | . | . | . | . | . | 31 | . | . | . | . | . | . | | |
| AUGUST. | | | | | | | | FEBRUARY. | | | | | | | | AUGUST. | | | | | | | |
| . | . | . | . | . | . | . | 1 | . | 1 | 2 | 3 | 4 | 5 | 6 | . | 1 | 2 | 3 | 4 | 5 | 6 | | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | | |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 | | 28 | 29 | . | . | . | . | . | 28 | 29 | 30 | 31 | . | . | . | | |
| 30 | 31 | . | . | . | . | . | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| SEPTEMBER. | | | | | | | | MARCH. | | | | | | | | SEPTEMBER. | | | | | | | |
| . | . | . | 1 | 2 | 3 | 4 | 5 | . | . | 1 | 2 | 3 | 4 | 5 | . | . | . | . | 1 | 2 | 3 | | |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 | | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | | |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 27 | 28 | 29 | 30 | . | . | . | | 27 | 28 | 29 | 30 | 31 | . | . | 25 | 26 | 27 | 28 | 29 | 30 | . | | |
| . | . | . | . | . | . | . | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| OCTOBER. | | | | | | | | APRIL. | | | | | | | | OCTOBER. | | | | | | | |
| . | . | . | . | 1 | 2 | 3 | | . | . | . | . | . | 1 | 2 | . | . | . | . | . | . | 1 | | |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 | | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | | |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | | |
| . | . | . | . | . | . | . | | . | . | . | . | . | . | . | 30 | 31 | . | . | . | . | . | | |
| NOVEMBER. | | | | | | | | MAY. | | | | | | | | NOVEMBER. | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | . | . | 1 | 2 | 3 | 4 | 5 | | |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | | |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | | |
| 29 | 30 | . | . | . | . | . | | 29 | 30 | 31 | . | . | . | . | 27 | 28 | 29 | 30 | . | . | . | | |
| . | . | . | . | . | . | . | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| DECEMBER. | | | | | | | | JUNE. | | | | | | | | DECEMBER. | | | | | | | |
| . | . | 1 | 2 | 3 | 4 | 5 | | . | . | 1 | 2 | 3 | 4 | . | . | . | . | 1 | 2 | 3 | | | |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | | |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 27 | 28 | 29 | 30 | 31 | . | . | | 26 | 27 | 28 | 29 | 30 | . | . | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |

THE UNIVERSITY.

General Statements.

LOCATION.

The buildings of the University of Pennsylvania, twenty-nine in number, are situated in Philadelphia, on property covering an area of over fifty-six acres. The University may be reached from the various railroad stations in Philadelphia by the electric cars as follows: from the terminal stations of the Philadelphia & Reading and Pennsylvania Railroads; Market street cars west to Thirty-fourth street, thence on foot south to Woodland avenue, a trip of about fifteen minutes; or, from the Baltimore & Ohio Railroad depot, by a walk of one square south to Walnut street, thence by car over the bridge west to Thirty-fourth street, a ride of about five minutes.

ACCOMMODATIONS FOR STUDENTS.

Accommodation for students to the number of about five hundred is provided in the present dormitory system, which is described at length in the body of the Catalogue. Plans, prices, and all other information relating to the dormitories may be had upon application to the Bursar of the University.

A large temporary dining hall, or "Commons," is situated at the corner of Spruce and Thirty-sixth streets, where about seven hundred students can obtain board.

In addition, board and lodging may be obtained in the immediate vicinity of the University from five dollars a week upward. Upon application at the offices of the Deans of the several Departments (see *Administrative Officers*, following), lists of approved boarding houses may be seen.

APPLICATIONS FOR CATALOGUES, ETC.

Applications for copies of the annual University Catalogue (published in December) should be addressed to the Assistant Secretary, University of Pennsylvania, Philadelphia, Pa. *The Catalogue is sold at twenty-five cents a copy.*

Special Circulars of Information, relating either to the separate Departments of the University, or to the various courses (liberal and scientific) offered in the College proper, *will be mailed free to anyone upon receipt of name and address.* Such applications should be addressed to the Deans of the several Departments.

All letters of inquiry regarding the internal regulations and requirements in each separate Department of the University, should be addressed to the Dean of that Department (see *Administrative Officers*, following) and *not* to the Secretary of the University.

BRIEF HISTORICAL SKETCH.

The University of Pennsylvania traces its origin to the year 1740, when a charitable school was founded in the city of Philadelphia. In 1749, a pamphlet entitled "Proposals Relative to the Education of Youth in Pennsylvania," written by Dr. Franklin, led to a united effort by certain citizens to raise this school to the dignity of an Academy. In 1751 this was accomplished, and the Academy, consisting of an English, a Mathematical and a Latin school, each under a master with subordinate tutors and ushers, was formally opened. Two years later (1753) a charter was granted to the trustees of the institution by Thomas and Richard Penn, the proprietaries of the Province of Pennsylvania.

Under the skillful training of the learned Rev. William Smith, the first Provost, the highest class of the Academy attained that proficiency which in a college course would have entitled its members to a degree. This led to a new appeal to the proprietaries for a collegiate charter. In 1755 such a charter was granted, which designated the institution as the "College and Academy of Philadelphia in the Province of Pennsylvania."

In 1764 Dr. Smith visited England to secure funds for the college, and received liberal support among men of all shades of religious belief. Concerned lest the institution might become sectarian, they urged the trustees to make a declaration of non-sectarian principles which should be binding on their successors. Accordingly, they resolved that henceforth, as heretofore, no question of religious belief should ever enter into questions of administering the affairs of the college or of appointing its officers.

In the revolutionary period, the college was looked upon with distrust by the radical patriots, and in 1779 the declaration above named was seized by the Assembly as a pretext for ousting the trustees, and incorporating a new institution, entitled the "University of the State of Pennsylvania," in which was vested all and singular the rights of the old corporation. After ten years of ineffectual work for both institutions, a compromise was effected and a union projected. In 1791, this amalgamation was confirmed by act of legislature, and the name "University of Pennsylvania" conferred upon the united institutions.

The University of Pennsylvania now includes the following departments, established at the dates indicated :

- (1740. Charitable School; out of which grew, in)
- 1751. The College.
- 1765. The Department of Medicine.
- 1790-1850. The Department of Law.
- 1874. The University Hospital.
- 1878. The Department of Dentistry.
- 1882. The Department of Philosophy.
- 1884. The Department of Veterinary Medicine.
- 1885. The Veterinary Hospital.
- 1885. The Department of Physical Education.
- 1889. The Museum of Archæology.
- 1891.* The University Library.
- 1892. The Laboratory of Hygiene.
- 1892. The Wistar Institute of Anatomy and Biology.

* Building erected.

ADMINISTRATIVE OFFICERS.

THE UNIVERSITY.

The General Offices are on the third floor of 400 Chestnut Street.

Provost—CHARLES C. HARRISON, LL. D.

General Offices, 400 Chestnut Street.

Vice-Provost—EDGAR F. SMITH, PH. D., SC. D.

Office in the JOHN HARRISON Laboratory of Chemistry, Thirty-fourth and Spruce Streets. Office hours, 8 A. M. to 6 P. M. Saturdays, 8 A. M. to 1 P. M.

Secretary—REV. JESSE Y. BURK, A. M.

General Offices, 400 Chestnut Street. Office hours, 11 A. M. to 3 P. M., except Saturdays.

Assistant Secretary—J. HARTLEY MERRICK, A. B.

Office, 101 College Hall. Office hours, 9.30 A. M. to 4.30 P. M. Saturdays, 9.30 A. M. to 12.30 P. M.

Treasurer—FRANCIS P. SIBLEY.

General Offices, 400 Chestnut Street.

Bursar—EDWARD W. MUMFORD, PH. B.

Office, 102 College Hall. Office hours, 9 A. M. to 1 P. M., daily. The Bursar's office is open from 9 A. M. to 5 P. M., daily. Saturdays, 9 A. M. to 1 P. M.

THE COLLEGE AND PROFESSIONAL FACULTIES.

Dean of the College Faculty—JOSIAH H. PENNIMAN, PH. D.

Office, 103 College Hall. Office hours, 9 A. M. to 12 M., daily.

Dean of the Faculty of Philosophy—WM. ROMAINE NEWBOLD, PH. D.

Office, 105 College Hall. Office hours, 10 A. M. to 12 M., daily.

Dean of the Law Faculty—WILLIAM DRAPER LEWIS, LL. B., PH. D.

Office in the Law Department Building, Thirty-fourth and Chestnut Streets. Office hours, 11 A. M. to 1 P. M. Saturdays, 9 A. M. to 10 A. M.

Acting Dean of the Medical Faculty—CHARLES H. FRAZIER, M. D.

Office, Medical Hall. Office hours, 3.30 P. M. daily.

Dean of the Dental Faculty—EDWARD C. KIRK, D. D. S.

Office, Dental Hall. Office hours, 9 A. M. to 1 P. M., daily.

Dean of the Faculty of Veterinary Medicine—LEONARD PEARSON, B. S., V. M. D.

Office, Thirty-sixth and Spruce Streets. Office hours, 8.30 A. M. to 12 M., daily.

GENERAL SUMMARIES.

OFFICERS OF INSTRUCTION.

| | |
|-------------------------------|-----------|
| The College | 114 |
| Department of Philosophy | 53 |
| " " Law | 17 |
| " " Medicine | 103 |
| " " Dentistry | 45 |
| " " Veterinary Medicine | 22 |
| Emeritus Professors | 4 |
| | <hr/> 358 |
| Duplications | 77 |
| Total | <hr/> 281 |

STUDENTS.

| | | | |
|---------------|-------------------------|------------|------|
| The College | School of Arts | 476 | 1113 |
| | Towne Scientific School | 431 | |
| | Courses for Teachers | 206 | |
| Department of | Philosophy | 192 | |
| " " | Law | 339 | |
| " " | Medicine | 475 | |
| " " | Dentistry | 403 | |
| " " | Veterinary Medicine | 62 | |
| | | <hr/> 2584 | |
| Duplications | | 6 | |
| Total | | <hr/> 2578 | |

GEOGRAPHICAL SUMMARY OF STUDENTS.

| | | | | | |
|------------|----|-------------------|----|-----------|----|
| Alabama | 10 | Colorado | 4 | Germany | 6 |
| Arkansas | 1 | Connecticut | 35 | Idaho | 1 |
| Australia | 19 | Costa Rica | 2 | Illinois | 19 |
| Austria | 2 | Cuba | 4 | Indiana | 8 |
| Bahamas | 1 | Delaware | 35 | Iowa | 14 |
| Brazil | 8 | Dist. of Columbia | 10 | Italy | 1 |
| Bulgaria | 1 | Ecuador | 2 | Jamaica | 2 |
| California | 9 | England | 7 | Japan | 1 |
| Canada | 19 | Florida | 5 | Kansas | 4 |
| Chile | 1 | France | 6 | Kentucky | 11 |
| China | 1 | Georgia | 5 | Louisiana | 1 |

SUMMARIES.

9

| | | | | | |
|-------------------------|-----|--------------------------|------|-------------------------|------|
| Maine | 16 | Nicaragua | 3 | Tennessee | 6 |
| Maryland | 25 | North Carolina | 6 | Texas | 5 |
| Massachusetts | 55 | Ohio | 45 | Utah | 1 |
| Mexico | 4 | Oregon | 4 | Vermont | 4 |
| Michigan | 3 | Pennsylvania | 1776 | Virginia | 11 |
| Minnesota | 2 | Peru | 1 | Washington | 5 |
| Missouri | 9 | Porto Rico | 4 | West Virginia | 10 |
| Montana | 2 | Rhode Island | 14 | Wisconsin | 8 |
| Nebraska | 3 | Russia | 5 | | |
| New Hampshire | 12 | South Carolina | 5 | | 2584 |
| New Jersey | 161 | Spain | 4 | Duplications | 6 |
| New York | 109 | Sweden | 2 | | |
| New Zealand | 8 | Switzerland | 1 | Total | 2578 |

HOUSTON HALL AND DORMITORIES.

HOWARD HOUSTON HALL.

HOUSTON HALL is a club-house for the use of the students of the University of Pennsylvania. Its purposes, briefly stated, are to provide for the students of the various departments a place where all may meet on common ground and to furnish them with every available facility for passing their leisure hours in healthy recreation and amusement. The equipment of the Hall includes a reading room, with a large number of periodicals and newspapers; smoking-rooms, billiard and pool tables, tables for chess and checkers, a correspondence room, bowling alleys, shuffle boards, a bath room, including shower and needle baths, and a swimming pool; athletic trophy rooms; a large auditorium with grand organ; rooms for the university papers and other organizations; a dark room for amateur photographers, and many other rooms for general purposes.

The Hall is the home of the Houston Club, to membership in which any student or officer of instruction is eligible. The cost of membership is two (2.00) dollars per annum.

DORMITORIES.

The dormitory buildings form a large block surrounding two open courts. Copies of plans of the dormitories, indicating the general dimensions of the rooms, as well as other printed information, may be obtained upon application to E. W. Mumford, College Hall. Prices for single rooms range from \$50 to \$105 per annum, and for double rooms from \$180 to \$210.

As will be seen by reference to the plans, about one-half of the rooms are *en suite*, providing for two students a common study, with two bedrooms. Most of the remaining rooms are for a single occupant. All rooms and halls are heated by steam and lighted by electricity. The buildings are on the "separate staircase" system, all doors opening into the courts. On each floor and on every staircase are lavatories, with hot and cold shower baths, etc. Almost all the double, and many of the single, rooms have open fireplaces. The University supplies for each student the following furniture: bedstead, mattress, bureau, washstand, table, bookcase, chairs and toilet china.

DINING HALL.

A Dining Hall, situated on a plot of ground adjacent to the dormitories, furnishes good table board at \$4.00 a week. This price includes service.

DEPARTMENT OF DENTISTRY.

FACULTY.

CHARLES C. HARRISON, LL. D., PROVOST.

EDGAR F. SMITH, PH. D., SC. D., VICE-PROVOST.

EDWIN T. DARBY, D. D. S., M. D., Professor of Operative Dentistry and Dental Histology.

JAMES TRUMAN, D. D. S., Professor of Dental Pathology, Therapeutics and Materia Medica.

EDWARD C. KIRK, D. D. S., SC. D., Professor of Clinical Dentistry, and DEAN OF THE FACULTY.

MATTHEW H. CRYER, D. D. S., M. D., Professor of Oral Surgery.

CHARLES R. TURNER, D. D. S., M. D., Professor of Mechanical Dentistry and Metallurgy.

EDWARD T. REICHERT, M. D., Professor of Physiology.

GEORGE A. PIERSOL, M. D., Professor of Anatomy.

JOHN MARSHALL, M. D., NAT. SC. D., LL. D., Professor of Chemistry and Toxicology.

ALEXANDER C. ABBOTT, M. D., Professor of Bacteriology.

GEORGE G. MILLIKEN, D. D. S., M. D., Assistant Professor of Operative Technics.

R. HAMILL D. SWING, D. D. S., Assistant Professor of Oral Surgery and Anesthesia.

A. DEWITT GRITMAN, D. D. S., Assistant Professor of Mechanical Dentistry.

JOHN D. THOMAS, D. D. S., Lecturer on Nitrous Oxide.

MEYER L. RHEIN, D. D. S., M. D., Lecturer on Dental Pathology.

SAFFORD G. PERRY, D. D. S., Lecturer on Operative Dentistry.

JULIO ENDELMAN, D. D. S., Lecturer on Materia Medica.

DEMONSTRATORS.

- WILLIAM DIEHL, D. D. S., Demonstrator of Operative Dentistry.
- JAMES G. LANE, D. D. S., Demonstrator of Mechanical Dentistry.
- AMBLER TEES, D. D. S., Demonstrator of Dental Ceramics.
- FREDERICK AMEND, JR., D. D. S., Demonstrator of Mechanical Dentistry.
- MILTON N. KEIM, JR., D. D. S., Demonstrator of Mechanical Dentistry.
- J. EDWARD DUNWOODY, D. D. S., Demonstrator of Crown-and-Bridge Work.
- ROBERT J. SEYMOUR, D. D. S., Demonstrator of Mechanical Dentistry.
- A. SWANTON BURKE, D. D. S., Demonstrator of Mechanical Dentistry.
- WILLIAM C. MARSH, D. D. S., Demonstrator of Operative Dentistry.
- JAMES A. DOWDEN, D. D. S., Demonstrator of Mechanical Dentistry.
- WILSON ZERFING, D. D. S., Demonstrator of Operative Dentistry.
- G. JANVIER PAYNTER, D. D. S., Demonstrator of Tooth Modeling.
- FREDERICK W. ALLEN, D. D. S., Demonstrator of Operative Technics.
- EUGENE A. LINCOLN, D. D. S., Demonstrator of Crown-and-Bridge Work.
- LEWIS W. DARLINGTON, D. D. S., Demonstrator of Operative Dentistry.
- JOHN A. McCLAIN, D. D. S., Demonstrator of Operative Dentistry.
- ROBERT FORMAD, M. D., Demonstrator of Normal Histology.
- GEORGE H. CHAMBERS, M. D., Assistant Demonstrator of Normal Histology.
- AUGUSTUS O. KOENIG, B. S., M. D., Demonstrator of Dental Metallurgy, and Assistant Demonstrator of Normal Histology.

JOHN M. SWAN, M. D., Demonstrator of Osteology.

DANIEL W. FETTEROLF, M. D., Demonstrator of Chemistry.

J. GARRETT HICKEY, D. D. S., Assistant Demonstrator of Physiology.

S. MERRILL WEEKS, D. D. S., Demonstrator of Operative Dentistry.

T. VICTOR SMITH, D. D. S., Demonstrator of Operative Dentistry.

WALTER W. McKAY, D. D. S., Demonstrator of Operative Dentistry.

ALBERT W. JARMAN, D. D. S., Demonstrator of Mechanical Dentistry.

JEHU T. GORE, D. D. S., Demonstrator of Operative Dentistry.

EDWARD LODHOLZ, M. D., Assistant Demonstrator of Physiology.

ELISHA H. GREGORY, JR., M. D., Demonstrator of Anatomy.

GEORGE O. JARVIS, M. D., Assistant Demonstrator of Applied Anatomy.

CLINICAL INSTRUCTORS.

Dr. C. S. BECK,

Dr. EDWARD I. KEFFER,

Dr. DANIEL N. McQUILLEN,

Dr. H. C. REGISTER,

Dr. JOHN R. YORKS.

STUDENTS.

THIRD-YEAR CLASS.

| Name. | Residence. | City Address. |
|----------------------------------|--------------------------------------|----------------------|
| Adam, Morris Rothermel, | Shoemakerville, | 3251 Locust St. |
| Albertson, Frank, | Worcester, Mass., | Dorm. 331 Franklin. |
| Aldrich, Stephen Alonzo, | Plainfield, N. J., | Dorm. 358 Craig. |
| Anderson, Joseph Richard, | Grantsville, Utah, | 3605 Locust St. |
| Anderson, William Ralph, | Springfield, Mo., | 3610 Walnut St. |
| Arzube, C José Miguel, | Guayaquil, Ecuador, | Dorm. 376 Hopkinson. |
| Ash, Percy Arthur, | Sydney, Australia, | Dorm. 336 Foerderer. |
| Babcock, Lisle Hiram, | Canisteo, N. Y., | 3234 Chestnut St. |
| Bain, Angus Robert, | Melbourne, Victo- ria, Australia, | 26 N. 36th St. |
| M. A. C. D. (Victoria), | | |
| Bair, John Tobias, | Hamburg, | 3262 Sansom St. |
| Barone, Walter A | Watertown, N. Y., | 3262 Sansom St. |
| Barrett, Michael Thomas, | Huntingdon, Can., | 3449 Walnut St. |
| Beard, Clarence Warren, | Waynesboro, | 29 N. 34th St. |
| Benoit, Charles Alfred, | La Chaux de Fonds, | 3349 Woodland Ave. |
| Medecin Dentiste (Suisse), | Switzerland, | |
| Blocher, Edgar Thomas, | Littlestown, | 3334 Walnut St. |
| Boone, William Clair, | Leon, Iowa, | 3449 Walnut St. |
| Brash, William Wheeler, | Ogdensburg, N. Y., | Dorm. 36 Morris. |
| Bredenber, John Daniel, | Stockholm, | Dorm. 351 Baldwin. |
| Tandlåkare (Sweden), | Sweden, | |
| Brooke, Milton M | Uniontown, | Dorm. 16 P. |
| Burdge, Fred. B | Asbury Park, N. J., | 3401 Walnut St. |
| Callaghan, Charles Frank, | Erie, | Dorm. 425 McKean. |
| Carney, William Hallidae, | Sutton, Neb., | 3610 Walnut St. |
| Carr, Ernest Linwood, | Philadelphia, | 1635 Susquehanna Ave |
| Cate, Arthur Thompson, | Wolfeboro, N. H., | 1906 Chestnut St. |
| M. D. (Dartmouth), | | |
| Cross, Clarence Garfield, | Sterling, | 3735 Spruce St. |
| Davenport, Fuller Levi, | Plymouth, | 3604 Walnut St. |
| Davis, Lucullus Naudain, | Philadelphia, | 3708 Spruce St. |
| De Long, George Frederick, | Kutztown, | 3251 Locust St. |
| Dilworth, Townsend Pen- nock, | Ashland, Del., | 412 N. 32d St. |
| Downing, Louis Albert, | Granada, Nica- ragua, | Dorm. 306 Brooks. |
| Drake, Edward Charles, | Auckland, New Zealand, | 3707 Walnut St. |
| Echternach, Joseph Potts, | Christiana, | Dorm. 24 Memorial. |
| Elliott, Ernest Earl, | Oberlin, Ohio, | 3331 Walnut St. |
| Ph. B. (Oberlin), | | |
| Eudlitz, Zacharie, | Paris, France, | 3349 Woodland Ave. |
| Chirurgien Dentiste (Paris), | | |
| Farnham, Ernest Noble, | Hope, Kansas, | 3256 Chestnut St. |

| Name. | Residence. | City Address. |
|---|----------------------------------|-----------------------|
| Ferris, Francis Isaac, | Sydney, N. S. W., Australia, | 3613 Locust St. |
| Fitz Patrick, Louis Joseph, | Portland, Oregon, | 5 S. 38th St. |
| Frossard, Henri, M. D. (Paris), | Paris, France, | 3311 Walnut St. |
| Gámez, Ramiro Enrique, | Managua, Nicaragua, | Dorm. 13 Morris. |
| Gerhard, Milton Urich, | Reading, | 3706 Spruce St. |
| Gill, Ralph Ekin, | Pittsburg, | 3745 Spruce St. |
| Gladfelter, Wilford Stanley, | Seven Valley, | 3712 Spruce St. |
| Godden, Henry Danvers, | Auckland, New Zealand, | Dorm. 411 Leidy. |
| Habben, John Inglis, | Paterson, N. J., | Dorm. 248 Carruth. |
| Hagerman, Robert Barry, | Florenceville, N. B., Canada, | Dorm. 442 Hopkinson. |
| Harvie, Strothard Stanley, D. D. S. (Univ. of Denver), | Avondale, N. S., Canada, | 3615 Locust St. |
| Hecker, Fredrich Alex- ander, | Kansas City, Mo., | 3256 Chestnut St. |
| Herrman, Joseph Albert, | Philadelphia, | 1324 Germantown Ave. |
| Hodgkins, Nathan William, | Lamoine, Maine, | 25 N. 34th St. |
| Houck, Nathan Ray, | Laanna, | 3735 Spruce St. |
| Hoya, Otto Ferdinand Emil, | Milwaukee, Wis., | 207 S. 33d St. |
| Hurlong, Herman Peleus, | Charleston, S. C., | 769 S. 10th St. |
| Johnson, Lucius Warren, | Syracuse, N. Y., | 3248 Chestnut St. |
| Jones, Joseph Alfred, | Long Branch, N. J., | Dorm. 450 Lippincott. |
| Kanaga, Elon, | Charleroi, Mich., | 3331 Walnut St. |
| Kennedy, Albert Ruther- ford, | Lawrence, Kan., | 206 S. 37th St. |
| Kew, Frederick Howard, | Hong Kong, China, | 3338 Chestnut St. |
| King, Allyn Miller, | Mansfield, Ohio, | 3350 Walnut St. |
| Kraeer, Samuel May, | Oil City, | 3262 Sansom St. |
| Larrabee, William Henry Harrison, | Syracuse, N. Y., | 3338 Chestnut St. |
| Lapp, P. C. Hollis, | Philadelphia, | 417 N. 32d St. |
| Leach, Mark Alonzo, | Lexington, Ore., | 5 S. 38th St. |
| Letts, Howard Lacey, | Columbus Junc- tion, Iowa, | 3715 Woodland Ave. |
| Lillis, Martin James, | Jersey City, N. J., | Dorm. 359 Craig. |
| Logan, Harry Lehr, | Pine Grove, | Dorm. 397 Alumni. |
| Long, Leon Caspar, | Pittsburg, | 3400 Walnut St. |
| Lotz, Warner Chalmers, | Philadelphia, | 1610 S. 4th St. |
| Ludes, Joseph Casimir, | Lykens, | 3961 Lancaster Ave. |
| McBride, John Edwin, | Washington, | 3248 Chestnut St. |
| McGuire, Henry Edward, | New Haven, Conn., | Dorm. 397 Alumni. |
| Major, Thomas Arthur, | Fortyfort, | 3735 Spruce St. |
| Marks, Cecil Holland, | New York, N. Y., | 3344 Walnut St. |
| Mason, Gamaliel Bartle, | Norwich, N. Y., | 3617 Locust St. |

| Name. | Residence | City Address. |
|----------------------------|----------------------|-------------------------|
| Meyers, John Cooper, | Phillipsburg, N. J., | Dorm. 454 Alumni. |
| Mocenter, Henry, | Westport, Conn., | 3609 Woodland Ave. |
| Morrison, William Alder, | Melbourne, Victo- | 26 N. 36th St. |
| M. A. C. D. (Victoria), | ria, Australia, | |
| Murphy, Percival Freder- | St. Petersburg, | 3339 Woodland Ave. |
| ick Gaun, | Russia, | |
| Myers, John Joseph, | Wallingford, | 3248 Chestnut St. |
| | Conn., | |
| Nelson, Carl August, | Brockton, Mass., | 3633 Walnut St. |
| Newland, Charles Leonard | Southampton, | 3258 Chestnut St. |
| Edward, | England, | |
| Nims, Oren Sheldon, | Keene, N. H., | 3350 Walnut St. |
| O'Malley, Peter Francis, | Olyphant, | 3309 Walnut St. |
| Orchard, Hambly Samuel, | Sing Sing, N. Y., | 3263 Locust St. |
| Ogden, Harold Hyde, | Westport, Conn., | Dorm. 24 Memorial. |
| Parks, Robert Roy, | Steelton, | 3617 Locust St. |
| Payne, Ernest Clinton, | Shelburne Falls, | 217 S. 33d St. |
| | Mass., | |
| Peirce, James Frank, | Wilmington, Del., | [406 Jefferson St.] |
| Pepper, Charles Vincent, | Ashland, | 3323 Walnut St. |
| Petzel, Alexander Francis, | Portland, Oregon, | 5 S. 38th St. |
| Poer, Norman Colquitt, | West Point, Ga., | 3610 Walnut St. |
| Poulson, William Cutler, | Philadelphia, | 4979 Sheldon St., Gtn. |
| Reid, Albert Du Rose, | West Chester, | [601 W. Gay St.] |
| Rowley, Homer Sexton, | Mechanicville, | 3248 Chestnut St. |
| | N. Y., | |
| Ryan, Thomas John, | Worcester, Mass., | Dorm. 23 Memorial. |
| Sausser, Emerson Randolph, | Philadelphia, | 3614 Walnut St. |
| Seeley, Bert, | Woodhull, N. Y., | 3344 Walnut St. |
| Seidel, Charles, | Bryn Mawr. | |
| Shuman, Myron Bennet, | Mainville, | 3263 Locust St. |
| Simpler, Robert Allen, | Philadelphia, | 3126 Columbia Ave. |
| Sloan, Alfred Clemit, | Vineland, N. J., | 21 N. 42d St. |
| Smith, Robert Clifford, | Tacony, | [6942 Marsden St.] |
| Somerset, Charles William, | New Haven, | 3344 Walnut St. |
| | Conn., | |
| Squier, Leslie Edwin, | Lewiston, Idaho, | 3610 Walnut St. |
| Suffern, Edward Russell, | Hillburn, N. Y., | Dorm. 10 Morris. |
| Sullivan, Charles Rennie, | Pittsfield, Mass., | 3610 Walnut St. |
| Sullivan, William Francis, | Thompsonville, | 3267 Locust St. |
| | Conn., | |
| Tanqueray, George Adolph, | Paris, France, | 3263 Locust St. |
| Turner, Joseph Edwin, | Providence, R. I., | 3265 Sansom St. |
| Van Dyke, Colin Ira, | Wyalusing, | Dorm. 370 Hopkinson. |
| Visick, Hubert Clarence, | Brighton, Eng- | 26 N. 36th St. |
| L. D. S. (England), | land, | |
| Waddell, Loren Burton, | West Mitchell, | 3610 Walnut St. |
| | Iowa, | |
| Weiler, George Stees, | Pottstown, | Dorm. 32 Bodine. |
| Welty, James, D. D. S. | Greensburg, | Dorm. 128 Class of '87. |
| (Ohio Medical University), | | |

| Name. | Residence. | City Address. |
|---|--------------------------------------|--------------------|
| White, Chester Allen, | New Haven, Conn., | 3267 Locust St. |
| White, Harold James Fair, | Butler, N. J., | 3610 Walnut St. |
| Williams, Nathan Wheeler, | Northampton, Mass., | 3326 Woodland Ave. |
| Wilson, James Alexander Campbell, M. A. C. D. (Victoria), | Melbourne, Vic- toria, Australia, | 26 N. 36th St. |
| Woods, Dale James, | Schuyler, Neb., | 3610 Walnut St. |
| Yoder, Kensie N, | Wernersville, | 3617 Locust St. |

SECOND-YEAR CLASS.

| | | |
|--|------------------------------------|-----------------------|
| Adams, Frank Lawrence, | Utica, N. Y., | 4311 Walnut St. |
| Allen, Walter Bowne, | Trenton, N. J., | 3735 Spruce St. |
| Andrew, Frederick Franklin, | Louisville, N. Y., | 215 S. 33d St. |
| Aumiller, Benjamin Theo- dore, | Wightsville, | Dorm. 388 Lippincott. |
| Bachelor, Ruhl, | Waterford, N. Y., | 3246 Sansom St. |
| Baldauf, Norton Leopold, | Henderson, Ky., | 4404 Chestnut St. |
| Barabe, Edward Joseph, | Negaunee, Mich., | 3610 Walnut St. |
| Barker, Horace Ephraim, | Winchester, N.H., | 3262 Sansom St. |
| Barreiros, Eurico, | São Paulo, Brazil, | 3350 Walnut St. |
| Bassett, Paul Leon, | Bridgeton, N. J., | 3262 Sansom St. |
| Brown, Irving W | Worcester, N. Y., | 225 S. 33d St. |
| Brown, Robert Wallace, | Bala. | |
| Bruce, Louis, A. B. (C. H. S.), | Cornwall Island, Ontario, Can., | 324 S. 11th St. |
| Carleton, James Dexter, | Rockport, Me., | Dorm. 11 S. |
| Carter, John Henry, | Cohoes, N. Y., | 24 S. 34th St. |
| Casse, Robert Augustin, M.D. (Paris), | Paris, France, | 3311 Walnut St. |
| Chandler, Asa Munson, | Wilkesbarre, | 3413 Walnut St. |
| Chatfield, Holbrook Alfred, | Auckland, New Zealand, | 210 S. 36th St. |
| Cornelius, Arthur Francis, | Renssalaer, N. Y., | 215 S. 33d St. |
| Cowdery, Lemuel Everett, | Philadelphia, | 1720 Delancey Place. |
| Curry, Emerson George. | Woodstock, Ont., Canada, | 438 S. 40th St. |
| Dansey, George Frederick Swanson, | Sydney, N. S. W., Australia, | 210 S. 36th St. |
| del Pino, Ernesto, | Cintalapa, Mexico, | 3337 Woodland Ave. |
| Dennis, Charles Augustus, | Philadelphia, | 4138 Parrish St. |
| Dressor, Chauncey Ely, | South Bethlehem, | 108 S. 33d St. |
| *Dumans, Dario Luiz, | Rio de Janeiro, Brazil. | |
| Ebert, Frederick Joseph, | Fort Vancouver, Wash., | 206 S. 36th St. |
| Ferguson, Alexander, | Westerly, R. I., | Dorm. 243 Smith. |

* Deceased.

| Name. | Residence. | City Address. |
|--|----------------------------------|-------------------------|
| Fitzhardinge, Hardinge Clarence, | Sydney, N. S. W., Australia, | 210 S. 36th St. |
| Forster, Frederick Robert, | Brisbane, Queensland, Australia, | Dorm. 401 Leidy. |
| Fuellhart, Fred William, | Tidioute, | 3255 Locust St. |
| Getz, Forry Rohrer, A. B. (Franklin and Marshall), | Lancaster, | Dorm. 417 Franklin. |
| Gleason, Carl Schurz, | McKeesport, | Dorm. 356 Class of '87. |
| Gold, Charles Edwin, | Pen Argyl, | 3255 Locust St. |
| Green, Edward C | Holidaysburg, | 3329 Spring Garden St. |
| Gunn, William Alexander, | Timaru, New Zealand, | 1418 Christian St. |
| Hahn, David Edward, | Philadelphia, | 736 Jackson St. |
| Hahn, Ezra Allen, | Nazareth, | 215 S. 33d St. |
| Hales, Leonard Clive, | Wellington, New Zealand, | 3322 Haverford Ave. |
| Harwood, Francis Albert, | Montreal, Canada, | 5 S. 38th St. |
| Hayes, Ford Henderson, | Butler, | Dorm. 440 Hopkinson. |
| Herrmann, Fredrich Paul, | Breslau, Germany, | 3609 Woodland Ave. |
| Hesse, John William, | Savannah, Ga., | 3712 Spruce St. |
| Hough, William Coleridge Patteson, | Sydney, N. S. W., Australia, | 210 S. 36th St. |
| Hubbard, George Harrison, | New Castle, | 3330 Lancaster Ave. |
| Hutchinson, George Edward, | Sunbury, | 3413 Walnut St. |
| Jackson, Andrew Francis, | Concepcion, Chile, | 5 S. 38th St. |
| Jameson, Norman Lee, | Richmond Corner, N. B., Canada, | St. Davids. |
| Jones, Will Robert, | New Castle, | 3246 Sansom St. |
| Kassab, Aelyas, | Chester, | [802 Edgmont.] |
| Kiess, Howard S., | Williamsport, | 3223 Sansom St. |
| Kingsley, Ralph Raymond, | Mansfield, | 35 N. 34th St. |
| Koons, Fred William, | Freeland, | 1232 N. 27th St. |
| Larson, Francis Daniel, | Deep River, Conn., | 3204 Chestnut St. |
| Lewis, Oborn Garrett Levis, | Philadelphia, | 5601 Greene St., Gtn. |
| Macdonald, William Douglas, | Glenbrook, Conn., | 225 S. 33d St. |
| Macnamara, Lester Llewellyn, | Worcester, Mass., | 3610 Walnut St. |
| McDermott, Cornelius Charles Joseph, | Philadelphia, | 210 S. 41st St. |
| McEnerney, Francis Patrick, | Derby, Conn., | 3204 Chestnut St. |
| McNulty, Thomas Patrick, | Norwood, N. Y., | 215 S. 33d St. |
| Mahaffey, Leroy Robert, | Grant, | 3713 Locust St. |
| Mallery, Claude Mayham, | Middleburgh, N. Y., | 3420 Sansom St. |
| Markham, Perley Haskell, | Mexico, N. Y., | Dorm. 34 Memorial. |
| Mellersh, Frank Cecil, | Paignton, Devonshire, England, | 3327 Chestnut St. |
| Morrish, Albert Garfield, | Wilkesbarre, | 3413 Walnut St. |
| Moxom, Howard Osgood, | Springfield, Mass., | Dorm. 140 Smith. |
| Mulford, Albert Llewellyn, | Camden, N. J., | [26 Broadway.] |

| Name. | Residence. | City Address. |
|---------------------------------|--------------------------------|-------------------------|
| Myers, Daniel Edward, | Alexandria, | 221 S. 33d St. |
| O'Neill, Emmett, Jr., | Philadelphia, | 4225 Frankford Ave. |
| Orton, Irvine Alexander, | Toronto, Canada, | 3923 Baltimore Ave. |
| Parsons, James Curtis, | Lynchburg, Va., | Dorm. 387 Lippincott. |
| Patten, James Augustus, | Bloomsburg, | Dorm. 34 Memorial. |
| Pedroso, Filinto de Moraes, | São Paulo, Brazil, | 104 S. 33d St. |
| Perry, Howard, | Boston, Mass., | Dorm. 11 S. |
| Pettebone, Herbert George, | Fortyfort, | 3328 Walnut St. |
| Potter, Joseph Albert, | Philadelphia, | 3803 Powelton Ave. |
| B. S. (C. H. S.), | | |
| Portuondo, Francisco de Paula, | Santiago, Cuba, | 3415 Walnut St. |
| Pyle, Clarence Erwin, | Philadelphia, | 3617 Hamilton St. |
| Reese, John Heil Vincent, | Atglen, | 3931 Baltimore Ave. |
| Ros, Andres Elijo, | Santiago, Cuba, | 3415 Walnut St. |
| Roth, Albert Lewis, | Troy, N. Y., | Dorm. 135 Fitler. |
| Rourke, George Henry, | Chicopee Falls, Mass., | 215 S. 33d St. |
| Ryder, Ernest Nichols, | Brewster, N. Y., | 8 N. 50th St. |
| Sands, Sidney Alexander, | Goulburn, N. S. W., Australia, | 1418 Christian St. |
| Sayward, Vincent Rogers, | Boston, Mass., | 221 S. 33d St. |
| Schierenbeck, Albert Edward, | Brooklyn, N. Y., | 3234 Chestnut St. |
| Seyfert, Robert Earl, | Pinegrove, | Dorm. 29 Morris. |
| Shedden, Elwin Robert, | Roaring Branch, | 3339 Spring Garden St. |
| Sklar, Wolf, | Philadelphia, | 1338 S. 5th St. |
| Stalford, Philip Pawling, | Ridgefield, Conn., | 3727 Locust St. |
| Sullivan, William Manley, | North Adams, Mass., | 3342 Lancaster Ave. |
| Thomas, Jesse Harold, | Philadelphia, | 2002 Diamond St. |
| Tracy, Isaac Chalfant, | do. | 4622 Ditman St., Fkd. |
| Turpin, Charles Murray, | Kingston, | 3328 Walnut St. |
| Underwood, Amos Parker, | Woodbury, N. J., | 932 Pine St. |
| Updegraff, John Wilbert, | Fort Palmer, | Dorm. 128 Class of '87. |
| Valderrama y Barrenechea, José, | San Sebastian, Spain, | 3311 Walnut St. |
| Vastine, Amos Beeber, | Danville, | Dorm. 363 Baird. |
| Vickers, Ernest William, | Enmore, N. S. W., Australia, | 3435 Walnut St. |
| Ware, William, | Philadelphia, | 205 S. 33d St. |
| Welch, Charles Francis, | North Adams, Mass., | 61 N. 34th St. |
| Wilbur, Roderick MacIver, | Charleston, S. C., | Narberth. |
| Wildrick, Raymond Gage, | Wenonah, N. J., | 3329 Sp. Garden St. |
| Williams, Percy Norman, | London, England, | 206 S. 36th St. |
| Zyner, William Isaac, | Centre Valley, | Dorm. 363 Baird. |

FIRST-YEAR CLASS.

| Name. | Residence. | City Address. |
|---|----------------------------------|---------------------|
| Akeroyd, William James Resch, | Dresden, Ohio, | 3328 Walnut St. |
| Allen, Charles Halsey, | Rockville, Conn., | 3350 Walnut St. |
| Anderson, William Townsend, | Philadelphia, | 1428 Euclid Ave. |
| Ashplant, Percy Roy, | London, Ont., Canada, | 3617 Locust St. |
| Atherton, Ralph Nelson, | Scranton, | Dorm. 252 Alumni. |
| Baird, Charles Wesley, | Worcester, N. Y., | 225 S. 33d St. |
| Balsinger, William Ernest, | Widnoon, | 3713 Locust St. |
| Barker, William Adams, | Mexico, N. Y., | 3727 Spruce St. |
| Barnett, Walter Jacob, | Easton. | |
| Barrett, Leland, | Long Branch, N.J., | 3413 Walnut St. |
| Barry, William Custer Sylvester, | Wallingford, Conn., | 3434 Sansom St. |
| Beals, Joseph, | Keene, N. H., | 3350 Walnut St. |
| Bennett, Michael Smith, | Philadelphia, | Olney, Phila. |
| Benson, John Dunn, | Rylstone, N.S.W., Australia, | 210 S. 36th St. |
| Birmingham, Nicholas Donnelly, | Valley Falls, N. Y., | 24 S. 34th St. |
| Bliss, John Walter, | Middletown, Conn., | 1939 Federal St. |
| Borkin, Israel, | Mensk, Russia, | 759 S. 4th St. |
| Bortin, Eli, | Kiev, Russia, | 612 Washington Ave. |
| Brady, William Francis, | Edmeston, N. Y., | 3266 Sansom St. |
| Briner, Oscar William, | Philadelphia, | 1917 Girard Ave. |
| Burnett, Charles Rogers, | Southampton, N. Y., | 3719 Spruce St. |
| Butler, George Cadwell, | Honesdale, | 3430 Sansom St. |
| Cann, John Albert, | Wilmington, Del., | 3707 Woodland Ave. |
| Casáres, Adolfo, | Merida, Yucatan, Mexico, | 3445 Woodland Ave. |
| Childs, William Hesser, | Jersey Shore, | Dorm. 20 Memorial. |
| Cline, Norman Garfield, | King City, Mo., | 3332 Walnut St. |
| Coe, Walter Frederick, | Brisbane, Queensland, Australia, | Dorm. 40 Morris. |
| Coffin, Carl Sargent, A. B. (Bates), | Thorndike, Me., | 3358 Walnut St. |
| Constien, Frederick Wm., | Ashland, | Dorm. 361 Baird. |
| Cook, William Gladden, A. B. (Westminster), | McDonald, | 3435 Walnut St. |
| Cooper, Jesse Frank, | Worcester, Mass., | 3256 Walnut St. |
| Cordick, Charles Henry, | Lemesurier, Quebec, Canada, | 3419 Walnut St. |
| Corman, John Ramsey, | Danville, | 3275 Sansom St. |
| Cowlshaw, Eric Burgoyne Owen, | Brisbane, Queensland, Australia, | Dorm. 40 Morris. |
| Craig, Harold Rush, | New Bethlehem, | 3445 Woodland Ave. |

| Name. | Residence. | City Address. |
|---------------------------------------|---------------------------------------|-----------------------|
| Craver, Leslie Metzler, | Scanlin, | 409 N. 33d St. |
| Crum, John Oliver, | Altoona, | 3238 Chestnut St. |
| Dailey, Grover Elmer, | Gloversville, N. Y., | 3725 Locust St. |
| Danforth, Earl Hartland, | Brooklyn, N. Y., | 3261 Woodland Ave. |
| Davidson, Hugh Mont- gomerie, | Brisbane, Queens- land, Australia, | Dorm. 46 Bodine. |
| Dismant, John Walt, | Limerick. | 3218 Wallace St. |
| Downey, William Simpson, | Philadelphia, | 2361 E. Dauphin St. |
| Eaton, Leslie Emerson, | Canning, N. S., Canada, | 3267 Chancellor St. |
| Erickson, Carlile Snyder, | Philadelphia, | 3925 Haverford Ave. |
| Eves, Carl, | Millville, | 3253 Woodland Ave. |
| Ewing, Charles Agnew, | West Grove, | 178 Herman St., Gtn. |
| Fahy, George Christopher, | New Haven, Conn., | 3267 Locust St. |
| Farnham, Robert Henry, | Westerly, R. I., | Dorm. 246 Lippincott. |
| Felt, Leon Rex, | Emporium, | 1605 Girard Ave. |
| Ferrin, Whitman George, | Montpelier, Vt., | Dorm. 225 Baldwin. |
| Frank Carlton Byford, | Niagara Falls, N. Y., | Dorm. 222 McKean. |
| Furbush, Harold Laurence, | Auburn, Me., | 120 S. 34th St. |
| Galbrath, Charles Ran- dolph, Jr., | Franklin, | Dorm. 335 Franklin. |
| Gallico, James Edward, | Troy, N. Y., | 24 S. 34th St. |
| * Gaylord, John Louis, | Binghamton, N. Y. | |
| Gibb, William Louis, | New Haven, Conn., | Dorm. 21 Memorial. |
| Glaspey, Maurice Alan, | Bridgeton, N. J., | 3921 Baltimore Ave. |
| Glynn, Thomas Henry, | Winsted, Conn., | 3204 Chestnut St. |
| Goldsmith, Walter Nathan, | Connellsville, | 3617 Locust St. |
| Graffam, Bernard Clement, | Augusta, Me., | 3223 Sansom St. |
| Grazier, John Harper Ferry, | Johnstown, | 117 S. 34th St. |
| Griffin, Francis Dennis, | Northampton, Mass., | 209 S. 33d St. |
| Hammann, Charles Edward, | Rome, N. Y., | 3702 Spruce St. |
| Hardt, Henry William, Jr., | Newark, N. J., | Dorm. 373 Hopkinson. |
| Harrower, Foster Flagg, | Swarthmore. | |
| * Haslehurst, Edwin Coon, | Troy, N. Y. | |
| Hellman, Milo, | New York, N. Y., | 108 S. 33d St. |
| Herrington, James Milton, | Canandaigua, N. Y., | 3617 Locust St. |
| Hervey, Wallwyn, | Newark, N. J., | 225 S. 33d St. |
| Hilborn, William Eugene, | Portland, Me., | 3422 Sansom St. |
| Hodgson, Francis Henry, | Schenectady, N. Y., | 3214 Chestnut St. |
| Hollenback, John Coffey, | Philipsburg, | 117 S. 34th St. |
| Homburger, Oscar, | New York, N. Y., | 3338 Walnut St. |
| Hunter, Arthur Munson, | Bridgeport, Conn., | 3425 Walnut St. |
| Husband, Arthur Cyril, | Alley, Jamaica, | 3704 Spruce St. |
| Jones, Edward Evan, | Surrey, England, | 206 S. 36th St. |

* Not in attendance

| Name | Residence. | City Address. |
|-----------------------------------|--|---------------------|
| Jones, Walter Edwin, | Bridgeport, Conn., | 3425 Walnut St. |
| Kase, Daniel Beaver, | Philadelphia, | 2017 N. Park Ave. |
| Kendrick, Howard Warren, | Worcester, Mass., | 3256 Walnut St. |
| Kellogg, Charles Maydole, | Herkimer, N. Y., | 3950 Pine St. |
| Kirkham, John, Jr., | Glenbrook, Conn., | 3727 Locust St. |
| Kitchenman, John, | Philadelphia, | 2445 Howard St. |
| Krimmel, Joseph Jacob, | Pine Grove, | 3434 Walnut St. |
| Lamb, Howard William, | South Hadley Falls, Mass., | 3249 Locust St. |
| Layman, Frank Peter, | West Terry, | 64 N. 36th St. |
| Lemis, George Thomas, | Athol, Mass., | 3941 Baltimore Ave. |
| Lewis, Arley Caryl, | Middleburg, N. Y. | 225 S. 33d St. |
| Lewis, Herman James, | Snow Hill, Md., | 663 Lex St. |
| Lillis, James Thomas, Jr., | Jersey City, N. J., | Dorm. 359 Craig. |
| Lockett, Alfred Cookman, | Bloomington, Ill., | 3704 Spruce St. |
| Lockwood, Lester David, | Bridgeport, Conn., | 3723 Spruce St. |
| Luce, Robert Rensselaer, | Scranton, | Dorm. 44 Morris. |
| MacDonald, James Train, | Paterson, N. J., | 206 S. 36th St. |
| Macdonald, Thomas For- rester, | North Sydney, N. S., Canada, | 219 S. 33d St. |
| McEwen, James Fraser, | Campbelltown, N. S. W., Aus- tralia, | 3941 Baltimore Ave. |
| McKeage, George Ernest, | Tingwick, Canada, | 3419 Walnut St. |
| McKone, Nicholas Joseph, | Hartford, Conn., | 3327 Chestnut St. |
| Massell, James Hirsh, | Miadel, Russia, | 3824 Lancaster Ave. |
| Maxwell, Robert Brooks, | North Brookfield, Mass., | 3413 Walnut St. |
| Melick, Walter, | Phillipsburg, N. J., | 3725 Spruce St. |
| Merkle, Albert Edward, | Tidioute, | 3331 Walnut St. |
| Merriman, Angier Clarence, | Topsham, Maine, | 1702 Vine St. |
| Molle, Eric Frederick, | Brisbane, Queens- land, Australia, | Dorm. 21 S. |
| Moore, Seymour Victor, | Sandy Hill, N. Y., | 215 S. 33d St. |
| Morgan, Rufus Kelsay, | Woodbury, N. J., | [103 S. Broad St.] |
| Muir, Andrew Robertson, | Scranton, | Dorm. 398 Alumni. |
| Neill, Ira Lesgar, | New Armagh, Quebec, Canada, | 3419 Walnut St. |
| *Nyce, Benjamin Franklin, | Norristown, | [6 E. Main St.] |
| Ostrowski, Waldemar von, | Berlin, Germany, | 3251 Sansom St. |
| Page, Claude Weston, | Bradford, | 3349 Woodland Ave. |
| Politzer, Sami, | Münich, Germany, | 120 S. 34th St. |
| Ray, Harry Clifford, | Springfield, Mass., | Dorm. 140 Smith. |
| Reckers, James Bernard, | Washington, | 3702 Spruce St. |
| Reed, William Glover, | Huntingdon, | 3313 Walnut St. |
| Reedy, William Aloysius, | Scranton, | 209 S. 33d St. |
| Reichenberger, Edmund, | Vienna, Austria, | 1421 S. 20th St. |
| Reichenberger, Ernst, | do. | 1421 S. 20th St. |
| Richards, Edward Louis, | New Haven, Conn., | Dorm. 21 Memorial. |

* Not in attendance.

| Name. | Residence. | City Address. |
|---|---------------------------------------|-------------------------|
| Richards Willard Huhn, | Easton, | 1702 Vine St. |
| Roth, Robert, | Philadelphia, | 2501 N. 10th St. |
| Salisbury, George Rodolph, | Bar Harbor, Me., | 120 S. 34th St. |
| Sandstein, Arthur Samuel, | Christchurch, New Zealand, | 3435 Walnut St. |
| Scheffer, Gordon Lee, | St. Johnsville, N. Y., | 3725 Locust St. |
| Schiener, Frederick Frank- lin, Jr., | Newark, N. J., | Dorm. 371 Hopkinson. |
| Seebold, Harry Charles, | Sunbury, | 3413 Walnut St. |
| Senior, Philip Henry, | Holyoke, Mass. | Dorm. 444 Lippincott. |
| *Shumway, William Henry, | Westville, Conn. | |
| Sippel, John Conrad, | Freeland, | 3328 Walnut St. |
| Smith, Samuel Styer Prim- rose, | Philadelphia, | 989 N. 5th St. |
| Spencer, J. Wright, | Barton, N. Y., | 64 N. 36th St. |
| Spicer, Albert Hamilton, Jr., | Westerly, R. I., | Dorm. 243 Smith. |
| Spriggs, Charles James, | Rome, N. Y., | 3702 Spruce St. |
| *Stephens, Ralph Henry, | New Bloomfield. | |
| Stevenson, Edward Stuart, | Auckland, New Zealand, | 3435 Walnut St. |
| Steeley, Jacob Oswin, | Perkasie, | 2546 N. Sydenham St. |
| Sutherland, Arnold Har- wood, | Altoona, | Dorm. 46 P. |
| Sweeting, Charles Cecil, | Nassau, New Provi- dence, Bahamas, | 438 S. 40th St., |
| Taggart, Deane Pettis, | Miller's Falls, Mass., | Dorm. 432 Class of '87. |
| Thomas, Dillard Jefferson, | St. Joseph, Mo., | 3332 Walnut St. |
| Tobin, James Michael, | Troy, | 3221 Sansom St. |
| Torruella y Cortada, Rafael, | Ponce, Porto Rico, | Dorm. 108 Leidy. |
| Tracy, Llewellyn, | Philadelphia, | 412 S. 45th St. |
| Van Loan, Karl Fritz, | Athens, | 3434 Walnut St. |
| Wagner, Miles Delroy, | Milton, | 3332 Walnut St. |
| Waldron, Ralph, | Wallingford, Conn., | 3434 Sansom St. |
| Walker, Andrew Robertson, | Brisbane, Queens- land, Australia, | Dorm. 46 Bodine. |
| Wallace, William Robert James, | Canandaigua, N. Y., | 3617 Locust St. |
| Webb, William Charles, | Honesdale, | 3443 Woodland Ave. |
| Weintraub, Maximilian Marchand, | Philadelphia, | 935 S. Third St. |
| Wenk, Karl Edwards, | Tionesta, | Dorm. 431 Class of '87. |
| Westerberg, August, | Stockholm, Sweden, | Dorm. 351 Baldwin. |
| Wharen, Ralph Harrison, | Wilkesbarre, | 3715 Woodland Ave. |
| Williams, William Carlos, | Rutherford, N. J., | Dorm. 303 Brooks. |
| Young, William George, | South Bethlehem, | Dorm. 53 Memorial. |
| Ziegler, Raymond Wayne, | Reading, | Dorm. 386 Lippincott. |
| Zulauf, Robert, | Phillipsburg, N. J., | 3332 Walnut St. |

* Not in attendance.

SPECIAL STUDENTS.

| Name. | Residence. | City Address. |
|---|---|--------------------------------------|
| Bowen, Arthur Crossman Whitmore, D. D. S. (Pennsylvania), | Providence, R. I., | 3605 Locust St. |
| Brenton, Richard Sawyer, D. D. S. (Pennsylvania), | Pittston, | 3449 Walnut St. |
| Diller, William Henry, D. D. S. (Pennsylvania), | Carlisle, | 3422 Sansom St. |
| Faulkner, James Joseph, | Havelock North, New Zealand, | 5 S. 38th St. |
| Fischer, Leo Nicholas, D. D. S. (Pennsylvania), | Philadelphia, | 3345 N. 5th St. |
| Goncalves, Victor Francisco, M. D. (Bahia), | Bahia, Brazil, | 3337 Woodland Ave. |
| Jarvis, George Oglevie, Ph. B. (Wesleyan), M. D. (Pennsylvania), | Philadelphia, | 769 S. 10th St. |
| Laughlin, Norman Hamilton, D. D. S. (Pennsylvania), | Waterford, N. Y., | 3246 Sansom St. |
| Lipschutz, Solomon Hirsh, Mancill, Walter Lee, D. D. S. (Pennsylvania), | Philadelphia, do. | 1419 Diamond St. 3402 Sansom St. |
| Paramo é Yrurzun, Feliciano, A. B. (Santa Maria), | Vitoria, Spain, | 3332 Walnut St. |
| Petit, Michel, | Lyon, France, | 124 S. 34th St. |
| Ramella-Gigliardi, Emilio, | Naples, Italy, | 3435 Walnut St. |
| Robin, Georges Gaston, M. D. (Paris), D. D. S. (Pennsylvania), | Paris, France, | 214 S. 37th St. |
| Schultz, Edward M D. D. S. (Pennsylvania), | Philadelphia, | 4302 Walnut St. |
| Schweiger, Castulus, | Aschaffenburg, a/m. Bavaria, Germany, | 3328 Walnut St. |
| Sevilla y Astaburuaga Castor, | Bilbao, Spain, | 3311 Walnut St. |
| Standen, John Arthur, D. D. S. (Pennsylvania), | Philadelphia, | 1220 Locust St. |
| Strang, Robert Hallock Wright, D. D. S. (Pennsylvania), | Bridgeport, Conn., | 3610 Walnut St. |
| Weihe, Gustav Theodor Eduard, Zahnarzt (Berlin), | Herford, Germany, | 3349 Woodland Ave. |
| Wetzel, Daniel Hart, D. D. S. (Pennsylvania), | Norristown, | [824 De Kalb St.] |
| Winsmore, Harry Davis, Zaragüeta y Bengochea, Jose, | Philadelphia, San Sebastian, Spain, | 1508 S. Broad St. 3332 Walnut St. |

ADDENDA.

| | | |
|---|---------------------------|--------------------|
| Betts, Edward Prince, D. D. S. (Pennsylvania), | Towanda, | 1616 Vine St. |
| Boyce, Francis Jacob, D. D. S. (Baltimore Coll. of Dental Surgery), | Damascus, | 225 S. 33d St. |
| Contenau, Georges, M. D. (Faculté de Paris), | Paris, France, | 3443 Woodland Ave. |
| Cowper, Arthur Edwin, | Wanganui, New Zealand, | 5 S. 38th St. |
| Griffin, Thomas Harold, | Ryde, England, | 3615 Locust St. |
| Gompertz, Jewell Mitchell, D. D. S. (Georgetown), | New Haven, Conn., | 3745 Spruce St. |
| Webb, Reginald, John, | Brisbane, Australia, | 210 S. 36th St. |

SUMMARY.

| | |
|---|-----|
| Students of the Third-year Class | 119 |
| Students of the Second-year Class | 105 |
| Students of the First-year Class | 156 |
| Special Students | 30 |
| Total | 410 |

SUMMARY BY STATES

| | | |
|------------------------|-------------------------|------------------------|
| Australia 19 | Iowa 3 | Ohio 3 |
| Austria 2 | Italy 1 | Oregon 3 |
| Bahamas 1 | Jamaica 1 | Pennsylvania . . . 149 |
| Brazil 4 | Kansas 2 | Porto Rico 1 |
| Canada 13 | Kentucky 1 | Rhode Island . . . 5 |
| Chile 1 | Maine 8 | Russia 4 |
| China 1 | Maryland 1 | South Carolina . . 2 |
| Connecticut 28 | Massachusetts . . . 22 | Spain 4 |
| Cuba 2 | Mexico 2 | Sweden 2 |
| Delaware 3 | Michigan 2 | Switzerland 1 |
| Ecuador 1 | Missouri 4 | Utah 1 |
| England 6 | Nebraska 2 | Vermont 1 |
| France 7 | New Hampshire . . . 4 | Virginia 1 |
| Georgia 2 | New Jersey 24 | Washington 1 |
| Germany 5 | New York 48 | Wisconsin 1 |
| Idaho 1 | New Zealand 7 | |
| Illinois 1 | Nicaragua 2 | Total 410 |

ORGANIZATION OF THE DENTAL SCHOOL.

The Department of Dentistry of the University of Pennsylvania was organized in the early part of 1878. It was the third school created as the dental department of a university, having been preceded in this respect by the Harvard School of Dentistry (organized in 1867), and the Dental Department of the University of Michigan (organized in 1875).

The motive leading to the creation of dental schools as regular departments of the University educational system was the rapid growth of dentistry as a profession. This was shown by the improvement in the educational equipment of its practitioners, and by the tendency to broaden the courses of instruction furnished by dental schools to meet the continual necessity for more thorough training.

Realizing that but two conceptions of the status of dentistry were possible, viz.: that it was either a branch of medicine, or else a separate profession; and believing that its close relationship with medicine called for the future development of dentistry in conformity therewith, the Trustees took action resulting in the creation of the Department of Dentistry of the University of Pennsylvania. The plan of instruction was so arranged that the branches common to both medicine and dentistry were taught concurrently by teachers who held corresponding chairs in both medical and dental faculties; while the strictly dental teaching was provided for by the creation of chairs whose incumbents were specially qualified for giving instruction in their respective branches. This arrangement is in strict accordance with the university idea, by which the teaching of allied branches is centralized in different departments. It does not imply that the Department of Dentistry is a branch of the Department of Medicine; for, as a matter of fact, both are distinct departments of the University.

It is worthy of note that the Department of Dentistry is actually, as well as in name, a department of the University. Its position as a recognized member of the University family confers upon its students certain advantages pertaining to that relationship. Its students enjoy in common with all other students of the University the privileges and social relationships pertaining to the student life of the whole body. Prominent among these features is membership in the Houston Club, an organization governed by students and domiciled in a club house which in its fittings and appointments is second to no other club house in Philadelphia. Its students have

also the use of the Dormitories, and are admitted to all of the athletic features of the University; while, with reasonable restrictions, the opportunity is afforded them to pursue such allied lines of study as in the judgment of the authorities may tend to add strength and fullness to the dental educational equipment.

The practical advantages that accrue to the dental student by such a broad policy are at once manifest. Its effect upon the status of the dental practitioner must be recognized when it is considered that during his student life, his association with the students of the other departments of the University is upon a basis of equality in all that concerns the student life of the institution. The influence of this feature in bringing about a close relationship between dental and medical students develops a mutual respect and recognition, which in their career as practitioners is of the utmost importance.

EQUIPMENT.

The arrangement of the interior of Dental Hall is such that facilities are provided for the thorough education of the student in every important detail of his professional work. The clinical operating room occupies one entire floor of the main building, giving a floor space 180 by 50 feet, furnished with one hundred latest pattern Wilkerson operating chairs, each provided with a fountain cuspidor, with running water attached, and attachment for the Fisk saliva ejector. Each chair is provided with a bracket arm and table for holding instruments, besides a separate table for the instrument case. Electric service is provided for each chair. A complete locker system in connection with the operative clinic furnishes means for the storage of instruments when not in use. In the fitting up of the operating room, the aim has been to make the appointments as nearly as possible like those of a first-class private office, so that from the beginning of his course the student is familiarized with the conditions he will meet in actual practice.

One large general laboratory for prosthetic work is provided, and separate departments for crown-and-bridge work, orthodontia technics, prosthetic technics, operative technics, metallurgical work, vulcanizing and modeling; also special clinic rooms and laboratories. Ample arrangements are provided for the convenience and comfort of the students in the care of instruments, tools, etc. There are also hat and coat rooms, lavatories, etc., a bicycle room, laundry, store rooms, and living apartments of the janitor; and an assembly room for the exclusive use and recreation of the students when not

on duty. The laboratories are fitted with the most approved appliances for work and instruction in the several departments of dentistry. Compressed air is supplied to the laboratory tables for melting and soldering operations, as well as for metallurgical work. The laboratory lathes are driven by electric motor, and no feature which could add to the facilities for thorough and accurate work has been omitted.

The lecture amphitheatre will comfortably seat 550. It joins the main building by a corridor, and in relation with it are arranged the dental museum and library.

As the laboratory, or manual-training, method forms a prominent and necessary adjunct to didactic teaching, facilities for carrying out the technic system of instruction are provided in connection with each subject to which the system is applicable.

ADMISSION.

N. B.—*By a ruling of the National Association of Dental Faculties, at its meeting held August, 1901, at Milwaukee, Wis., the course of instruction for the attainment of the degree of Doctor of Dental Surgery is increased to four years. This rule will go into effect beginning with the session of 1903-04.*

Special attention is called to the rule adopted by the National Association of Dental Faculties, August, 1896, requiring all applicants for matriculation to be present and enter their names *not later than the tenth of October.*

Candidates for admission will not be permitted to matriculate for any session other than that immediately succeeding the date of matriculation. No candidate will be allowed to matriculate for more than one session at a time.

PRELIMINARY EDUCATION REQUIRED FOR MATRICULATION.

The educational standard for admission into this department for the Session of 1903-04 is a three years' completed course in an approved high school, or its equivalent.

To assist in deciding whether a candidate has or has not the necessary educational requirements for entrance to this department, and to prevent uncertainty and delay in replying to communications from applicants for matriculation, the following regulations have been adopted for the session of 1903-04:

A. For matriculation in the Freshman class without examination, the candidate must present a diploma of graduation from a literary or scientific college, a state normal school, a diploma of an approved high school having a three years' course; or a certificate showing satisfactory completion of three years' work of a high school having a four years' course, or a certificate from a preparatory or other school showing an equivalent education, and such certificate must be signed by the principal of the school issuing it, stating the studies pursued by the applicant, the extent to which, in each case, they have been covered, and the grade attained in each.

B. In lieu of such diploma or certificate, the applicant will be required to pass a matriculate examination, which shall be the equivalent of that forming the basis of the certificate of required preliminary education, as follows:

LANGUAGE.

English.—A. (1) Grammar.—As in Abbott's *How to Parse*, or Murray's *Advanced Lessons in English Composition, Analysis, and Grammar*.

(2) Composition.—A short essay correct in spelling, punctuation, grammar, division by paragraphs, and in expression, written on a subject to be announced at the time of the examination.

B. Reading.—The candidate will be required to present evidence of a general knowledge of the following works and their authors:

George Eliot's *Silas Marner*; Shakespeare's *Merchant of Venice*; Pope's *Homer's Iliad* (four books); *The Sir Roger de Coverly Papers* in the *Spectator*; Goldsmith's *The Vicar of Wakefield*; Coleridge's *The Rime of the Ancient Mariner*; Tennyson's *The Princess*; Scott's *Ivanhoe*; Lowell's *The Vision of Sir Launfal*; Cooper's *The Last of the Mohicans*.

Latin.—(1) A thorough knowledge of elementary grammar, as in Bennett's Latin grammar.

(2) Cæsar (any standard edition).

Or an equivalent course in German, French or Spanish.

HISTORY.

A. American history, with the elements of civil government. This will include colonial history, with a view to the origin and develop-

ment of our institutions; and the period of discovery and early settlement, so as to set forth the relations of peoples in America and the meaning of the struggle for mastery; geographical knowledge involved; the general plan and important provisions of the Constitution. As in McMaster, or Fiske (school edition).

B. General history,—including Greek, Roman and English history; leading events. As in Meyer, or Anderson.

MATHEMATICS.

A. Algebra.—Fundamental operations; factors; common divisors and multiples; fractions; equations of the first degree with one or more unknown quantities; quadratic equations; the binomial theorem. As in Brooks, or Wentworth (Shorter Course).

B. Plane Geometry,—including the solution of simple original exercises and numerical problems. As in Wentworth, or Phillips and Fisher.

SCIENCE.

Physics.—As in Carhart and Chute, or Gage's Elements of Physics.

Chemistry.—As in Remsen's Elementary Course in Chemistry, or Arey's Elementary Chemistry will be accepted in lieu of physics.

Other text-books than those mentioned may be used at the pleasure of teacher or student, provided they cover the subjects to the extent indicated.

NOTE.—Official certification of work done in other subjects of a standard equivalent to three years' work in an approved high school, will be received and duly credited.

3. An applicant whose credentials do not fully meet the requirements outlined above, or who does not pass the entrance examinations with a percentage of 70 in every subject, may be admitted on condition that he make up the required work in any branch or branches (not exceeding two) to the extent required.

Matriculates who are conditioned in any branch or branches, must pass a satisfactory examination in such branch or branches before being permitted to take the final Freshman examination.

Registration cards and permits for the entrance examination

C. The entrance examination for the session of 1903-1904 will be held in Roberts Vaux School-building, Wood street below Twelfth, on Tuesday, September 22 at 9 A. M.

must first be obtained from the office of the Dean of the Department of Dentistry in Dental Hall, Cor. Thirty-third and Locust streets, Philadelphia.

ADMISSION TO ADVANCED STANDING.*

Students possessing the requisite preliminary education, and who have attended one full term in a dental school recognized by this University, will be admitted to the second year, subject to the rules governing admission to advanced standing.

Graduates of a recognized medical school will be admitted to the Second-year Dental class without examination.

Applicants for advanced standing, who have not had instruction in practical histology and practical chemistry equivalent to that required in this department, will be permitted to make up such deficiency by taking special courses, for which an extra fee of fifteen dollars is charged for each branch.

Students who have credit for the completed work of two or more terms in a recognized dental school, and who possess the requisite preliminary educational qualifications, are eligible for admission to the third year, subject to the rules governing admission to advanced standing.

Graduates in foreign dental schools are required to conform to the rules governing advanced standing, and to the ruling of the National Association of Dental Faculties that their credentials must receive the approval of the Advisory Board for their country before they can be accepted.

SCHOLARSHIPS.

1. UNIVERSITY SCHOLARSHIPS.—The Trustees have established two University Scholarships in Dentistry, the award of which is based upon the result of a competitive examination equivalent to that demanded for admission to the technical courses in the College. They are not awarded for less than the entire course.

Examinations for these scholarships are held on the same day with those fixed for entrance to the College (Friday, September 18, 1903), and are open to all applicants otherwise eligible for admission to the Department of Dentistry. Circulars setting forth in detail the plan of the Scholarship examination may be had upon application to the Dean of the Department of Dentistry.

*All applicants for advanced standing must pass the examinations of the years they desire to omit, or furnish proof that they have passed *equivalent* examinations in some recognized dental or medical school.

A registration fee of five dollars is required of all candidates for scholarship and entrance examinations, and is not returnable in case of failure to pass.

2. PUBLIC SCHOOL PRIZE SCHOLARSHIPS.—Under an agreement with the city of Philadelphia, fifty free scholarships exist in the University for the benefit of graduates of the public schools. The candidates for these scholarships are examined by the Board of Public Education, and award is made to those who reach the highest grade, as vacancies occur from year to year.

ARRANGEMENT OF SESSION.

The academic year consists of one session beginning on the last Friday in September, and ending at Commencement, on the third Wednesday in June. The course of instruction is graded.

Laboratory instruction, not only in all of the practical dental branches, but also in Practical Chemistry, Metallurgy, Histology, Bacteriology, Physiology and Osteology, forms a prominent feature of the course.

The session of 1903-04 will begin on Friday, September 25, 1903, and will end on Wednesday, June 15, 1904.

MID-TERM EXAMINATIONS.

The arrangement of subjects constituting the curriculum of the first, second and third years as specified here and on pp. 37 and 38 *et seq.*, is provisional only and subject to change before the opening of the Session of 1903-04. The subjects to constitute the fourth year session will be duly announced later.

In the First-year course a mid-term examination is held about February 1 in Chemistry, Histology and Elementary Anatomy.

In the Second-year course, at the same date, a mid-term examination is held in Elementary Physiology, Bacteriology and Applied Anatomy.

In the Third-year course a mid-term examination is held in Metallurgy.

RULES GOVERNING MID-TERM EXAMINATIONS.

I. NON-PRESENTATION AND FAILURES.

A student who has not undergone examination, or who has failed to attain a mark of 50 in any examination, may be re-examined:

(a) At the first re-examination about March 1; or, failing then

(b) At the second re-examination about one week prior to the final examinations of the academic year in May.

2. FAILURE TO MAKE A GENERAL AVERAGE OF 60.

A student having passed all the examinations, but failing to attain a general average of 60, may avail himself of the privileges of the re-examinations at the times designated in paragraph 1, in all of the subjects in which a mark of less than 60 was attained.

3. ELIGIBILITY FOR FINAL EXAMINATIONS IN MAY.

All the mid-year examinations must be passed before the candidate becomes eligible for the final examinations for the academic year held in May.

4. REPETITION OF THE STUDIES OF THE YEAR.

The general rules governing the repetition of the studies of any year shall apply to those students who failed to pass or to attain the required general average, or who were ineligible to appear at the final examinations of the academic year held in May.

RULES GOVERNING TERM EXAMINATIONS.

FIRST AND SECOND YEAR STUDENTS.

1. The examination marks of this Department are based on a scale of 100. Each student must obtain a general average of 60 to pass the examinations of the year. 50 on a single branch will entitle him to average; less than 50 constitutes a failure in that branch.

2. Students who have failed to pass in any or all of the branches are given an opportunity for a second examination, before the opening of the next regular session, on the stated day in September designated for re-examinations in the official calendar in this Catalogue; but if the student fail to appear, or if his general average be less than 60, he shall repeat the studies of the year except those in which he received a grade of not less than 70.

3. A student may be permitted to matriculate in the succeeding year, if he has successfully passed in all but one branch, on condition that the one in which he has been found deficient must be passed on or about November 1 of the year in which he has been matriculated. Failing at the November examination to pass the branch in which he is conditioned, the student will be required to repeat the work of the year as provided in Rule 2. This rule applies to laboratory and clinical requirements as well as to didactic work.

4. Students who have failed to complete the work of any year, or who are obliged to repeat, will be charged the regular fee.

5. No student will be eligible for examination if any portion of his fees remains unpaid.

EXAMINATION FOR GRADUATION.

1. The examination marks shall be upon a scale of 100.

2. Each candidate must attain at least 50 in any single branch, and have a general average of 60, before he can be recommended for graduation.

3. Candidates who attain a general average of at least 90 shall be considered to have gained honors of the First Class, and will receive Honorable Mention.

4. The graduation average shall be based on the examination marks of the whole curriculum.

5. Examinations are held immediately after the completion of the lecture courses.

No student can be examined before that time except by consent of the Faculty.

GRADUATION.

At the close of the course, a student who has fulfilled all requirements satisfactorily receives the degree of *Doctor of Dental Surgery* (D. D. S.), under the following regulations:

I. He must be of age and of good moral character.

II. He must have passed a satisfactory examination in all the branches of the curriculum; must have attended the practical instruction and performed the required practical work in all departments; and his last year of instruction must have been at the Department of Dentistry of this University.

III. He must have dissected at least two parts; must have performed thoroughly, and to the satisfaction of the Professor of Operative Dentistry, all the usual dental operations; must have undertaken at least one artificial case, and brought it completed, with the patient, to the Professor of Prosthetic Dentistry, thirty days before the close of the term; and must have prepared for presentation to the Professor of Prosthetic Dentistry, before the first of May, a specimen case to be deposited in the University collection. The required operations, as well as the work on the artificial case, must have been performed in Dental Hall.

IV. After receiving notice of having successfully passed the final

examination, he must enter his name on the Register of Candidates for the Degree.

V. He must be present at Commencement, unless excused by the Dean of the Faculty.

TEXT-BOOKS AND WORKS OF REFERENCE.*

Text-Books.

Operative Dentistry:

Kirk, The American Text-Book of Operative Dentistry.

Prosthetic Dentistry and Metallurgy:

Essig, The American Text-Book of Prosthetic Dentistry.

Essig, Dental Metallurgy.

Dental Pathology and Therapeutics:

Burchard, Dental Pathology, Therapeutics and Pharmacology.

Materia Medica:

Gorgas, Dental Medicine.

Chemistry:

Richter, Inorganic Chemistry.
Medicus, Qualitative Analysis.

Histology:

Piersol, Normal Histology.

Anatomy:

Gray, Human Anatomy.

Dissection Manual:

Holmes, Outlines of Anatomy.

Physiology:

American Text-Book of Physiology.

Works of Reference.

Johnson, Principles and Practice of Filling Teeth.

Guilford, Orthodontia.

Farrar, Irregularities of the Teeth and their Correction.

Angle, Treatment of Malocclusion of the Teeth and Fractures of the Maxillæ.

Kingsley, Oral Deformities.

H. C. Wood, Therapeutics.

Wood & Bache, United States Dispensatory.

Mitchell, Dental Chemistry.

Tomes, Dental Anatomy.

* In all cases the latest editions should be obtained.

Text-Books.

Works of Reference.

Oral Surgery:

Marshall, Injuries and Surgical Diseases of the Face, Mouth and Jaws.

Cryer, Studies of the Internal Anatomy of the Face.

Bacteriology:

Abbott, Principles of Bacteriology.

Miller, Micro-Organisms of the Human Mouth.

Dictionary:

Gould, Student's Medical Dictionary.

FIRST-YEAR CLASS.—SESSION 1902-1903.***Order of Instruction before February 1.**

| <i>Hour.</i> | <i>Monday.</i> | <i>Tuesday.</i> | <i>Wednesday.</i> | <i>Thursday.</i> | <i>Friday.</i> | <i>Saturday.</i> |
|--------------------------|---|---|---|---|---|---|
| 9 A. M. | Swan. Osteology and Syn- desmology. | Swan. Osteology and Syn- desmology. | Class divided into Sec- tions for Instruction in Pros. and Op. Technics. | Class divided into Sec- tions for Instruction in Pros. and Op. Technics. | Turner. Prosthetic Dentistry. | Dental Anatomy and Modeling tooth forms. |
| 10 A. M. | Marshall. Chemistry. | Marshall. Chemistry. | | | Class divided into Sec- tions for Instruction in Pros. and Op. Technics. | |
| 11 A. M. | Prosthetic and Operative Technics. | Prosthetic and Operative Technics. | | | Prosthetic and Operative Technics. | |
| 1.30 to 3.45 P. M. | Class divided into Sec- tions for Prac. Work in Chem. and Hist. | Class divided into Sec- tions for Prac. Work in Chem. and Hist. | Class divided into Sec- tions for Prac. Work in Chem. and Hist. | Class divided into Sec- tions for Prac. Work in Chem. and Hist. | Prosthetic and Operative Technics. | |
| 4 P. M. | Piersol. Anatomy. | Piersol. Anatomy. | Marshall. Chemistry. | Piersol. Anatomy. | Piersol. Anatomy. | |
| 5 P. M. | | | | | | |

See Special Roster for Arrangement of Sections in Practical Work.

SECOND-YEAR CLASS.—SESSION 1902-1903.**Order of Instruction before February 1.**

| Hour. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|--------------------------|---|---|---|--|--|----------------------|
| 9 A. M. | Gritman Prosthetic Technics. | Section Work in Prosthetic Dentistry, or Crown and Bridge Work, or Op. Clinic. | Abbott. Bacteriol. | Section Work in Prosthetic Dentistry, or Crown and Bridge Work, or Operative Clinic. | Section Work in Prosthetic Dentistry, or Crown and Bridge Work, or Operative Clinic. | Operative Clinic. |
| 10 A. M. | Section Work in Prosthetic Dentistry, or Crown and Bridge Work, or Op. Clinic. | | Section Work in Prosthetic Dentistry, or Opera- tive Clinic. | | | |
| 11 A. M. | | | Kirk. Clinical Dentistry. | | | |
| 12 M. | | | | | | |
| 1.30 to 3.45 P. M. | Sect. Work. Dissecting, Bacteriol., or Physiology Demonst'n. | Sect. Work. Dissecting, Bacteriol., or Physiology Demonst'n. | Sect. Work. Dissecting, Bacteriol., or Operative Clinic. | Sect. Work. Dissecting, Operative Clinic, or Bacteriol. | Sect. Work. Dissecting, Operative Clinic, or Bacteriol. | |
| 4 P. M. | Reichert. Physiology. | Reichert. Physiology. | Truman. Mat. Med. | Reichert. Physiology. | Reichert. Physiology. | |
| 5 P. M. | Turner. Prosthetic Dentistry. | Darby. Operative Dentistry. | Turner. Prosthetic Dentistry. | Darby. Operative Dentistry. | Truman. Dental Pathology and Thera- peutics. | |

See Special Roster for Sections in Practical Work.

One section of the class dissects daily from 1.30 to 3.45 P. M.

* Rosters are subject to rearrangement at the beginning of each academic year.

THIRD-YEAR CLASS.—SESSION 1902-1903.**Order of Instruction before February 1.**

| <i>Hour.</i> | <i>Monday.</i> | <i>Tuesday.</i> | <i>Wednesday.</i> | <i>Thursday.</i> | <i>Friday.</i> | <i>Saturday.</i> |
|--------------------------|---|---|---|---|---|-----------------------------------|
| 9 A. M. | Operat. or Prosthetic Clinical Practice. | Operat. or Prosthetic Clinical Practice. | | Gritman. Prosthetic Technics. | Operat. or Prosthetic Clinical Practice. | |
| 10 A. M. | Ceramics. | Ceramics. | Operat. or Prosthetic Clinical Practice. | Operat. or Prosthetic Clinical Practice. | Ceramics. | Operative Clinic. |
| 11 A. M. | Crown and Bridge Work. | Crown and Bridge Work. | | | Crown and Bridge Work. | |
| 12 M. | | Kirk. Clinical Dentistry. | Cryer Oral Surgery. | | | Cryer. Oral Surgery. |
| 1.30 to 3.45 P. M. | Operative Clinic. | Operative Clinic. | Operative Clinic. | | | |
| 4 to 5 P. M. | Practical Work in Metallurgy | Practical Work in Metallurgy | Practical Work in Metallurgy | Operative Clinic. | Operative Clinic. | |
| 5 P. M. | Turner. Prosthetic Dentistry. | Darby. Operative Dentistry. | Turner. Prosthetic Dentistry. | Darby. Operative Dentistry. | Truman. Dental Pathology and Thera- peutics. | |

Medical and Surgical Clinics at the University Hospital are held from 12 M. to 2 P. M., on Wednesdays and Saturdays, and are open to the Second and Third-year classes. These are in addition to the dental clinics at the Philadelphia Hospital, on Saturdays at 12 o'clock, and to the Oral Surgical Clinics as noted on the roster.

OPERATING ROOM, LABORATORIES, ETC.

The department possesses exceptional facilities for thorough training in Dentistry, both theoretical and practical.

The operative clinic room and laboratories are large and fully equipped, affording ample facilities for the practical training of the student.

The dissecting room is large, well lighted, thoroughly ventilated, and furnished with ample material for the successful prosecution of anatomical studies.

GRADING OF THE COURSE.

In order to facilitate work in the practical branches, and to economize the student's time, the regular session is so arranged that students during the first year are required to devote the time equally to dental, histological and chemical laboratory work.

During the second and third years, the student has practically the entire forenoon of each day for dental work. Thus ample opportunity is afforded for practice in Operative and Prosthetic Dentistry. In the latter branches, the students are divided into sections, devoting the time not otherwise engaged to practice in the operating rooms.

This plan of gradation enables the First-year student to present himself for examination in the following branches: Chemistry, Histology and Anatomy, including Osteology and Myology. The Second-year student will be examined on *Materia Medica*, Bacteriology, Applied Anatomy and Physiology, and on progress in Operative and Prosthetic Dentistry. Such an arrangement is economical not only in point of time, but also in facilitating a student's acquirement of knowledge in the remaining branches.

OUTLINE OF THE COURSE.*

FIRST YEAR.

Students of the First-year class will be required to attend instruction in and pass examinations upon the following branches:

1. Chemistry. Three lectures a week. Five hours laboratory.
2. Anatomy. Four lectures a week. One-half the required work in dissecting is done during this year.
3. Histology. Five hours laboratory a week.
4. Osteology. Two lectures a week.
5. Students of the First-year class will be trained in Operative and Prosthetic Technics during hours not otherwise occupied.
6. They will, in addition to the subjects named, attend lectures on Prosthetic Dentistry. One hour a week.

SECOND YEAR.

1. Students of the Second-year class will attend lectures on *Materia Medica* and Physiology, Operative and Prosthetic Dentistry and Metallurgy, Dental Pathology and Therapeutics, Clinical Dentistry, Bacteriology, Applied Anatomy and Oral Surgery. Work in Practical Anatomy (dissecting) is finished during this year.
2. They will pursue Operative and Mechanical Work, with the privilege of the Operating Room and appliances during the morning and afternoon clinics.

* See first paragraph under Mid-Term Examinations, p. 32.

3. The final examinations of the Second-year will be upon *Materia Medica*, *Physiology*, *Bacteriology*, *Applied Anatomy* and progress in *Operative and Prosthetic Dentistry*.

THIRD YEAR.

1. Students of the Third-year class will continue the practical work in *Operative Dentistry*, *Prosthetic Dentistry* and *Dental Metallurgy*, and the lectures on these subjects, together with *Dental Pathology and Therapeutics*, and *Clinical Dentistry and Oral Surgery*.
2. At the close of the term they will be required to pass examinations in these branches.

FOURTH YEAR.

Due announcement of the fourth year curriculum will be made in later catalogues.

COURSE OF INSTRUCTION.

The lectures on *OPERATIVE DENTISTRY AND DENTAL HISTOLOGY* embrace the comparative anatomy of the teeth; the functions and microscopical peculiarities of the dental organs; the development of teeth and their component tissues; a full description of the materials and instruments used in operative dentistry; a thorough elucidation of all dental operations, such as filling, extracting and regulating; the pathological relations of the teeth to the other parts of the system; and a minute description of all diseases related to dental surgery or of interest to the dentist. The methods taught are demonstrated in clinics.

The course of instruction in *PROSTHETIC DENTISTRY* is a graded one, and is arranged to embody in the teaching of the first year the fundamental principles of prosthetic work, including the properties of the materials used for prosthetic purposes and the various mechanical processes involved in their utilization; in the second year a more specific and extended instruction in these procedures is given, and the finger skill necessary in the usual mechanical operations is developed, while in the third year the student is instructed in the choice of means for attaining a given end, and the selection of this means in accordance with the requirements of specific cases. During the third year attention is given to the more highly specialized branches of prosthetic dentistry under demonstrators qualified for the purpose.

Instruction in prosthetic dentistry is accomplished by didactic

lectures illustrated by means of heroic models, lantern slides, and blackboard drawing; by graded technic courses which include in each year illustration of the lecture topics by actual demonstration of the processes before the class, and the manufacture of the appliances so illustrated by the class, divided into small sections for systematic work; by specimens on exhibition in the general laboratory illustrative of successive stages in the technic requirements; and by abundant clinical practice.

The lecture course will include in addition to dental prosthesis, the replacement of tissues about the mouth not strictly dental, and the manufacture of appliances for the remedy of palatal defects.

The instruction in ORTHODONTIA will be by means of lectures, quizzes, a technic course and clinical practice, and attention will be specially paid to the treatment of cases in the light of their etiology.

The lectures on CHEMISTRY embrace the study of chemical physics and principles of chemical philosophy, together with a detailed consideration of the principal elementary substances and their compounds; and of the fundamental principles of organic chemistry, including the classification of organic compounds, and the special study of typical members of the different classes. Special attention is also given to the laws of chemical affinity, and the conditions under which they are modified, especially as they relate to the preparation of mixtures and prescriptions.

The course in PRACTICAL CHEMISTRY in the laboratory includes exercises in chemical manipulation; the study of the chemical properties of the principal metals; the reactions of acids and their combinations; and the general principles of qualitative analysis, especially as they relate to the detection and separation of the metals and compounds of interest to practitioners of dentistry. Each student is provided with a separate table and apparatus, and is required to perform all the usual chemical manipulations under the directions of demonstrators, as well as to exhibit by written formulæ all reactions involved in his tests.

HUMAN ANATOMY is taught in its relations to all the branches of medical science, including dentistry. The lectures are illustrated by fresh dissections of the human body, and by a rich museum of anatomical specimens, well-executed models and drawings.

In addition to the lectures and demonstrations by the Professor of Anatomy, a course of demonstrations in applied anatomy is given to the students of the second year. The course consists of a drill by recitations and demonstrations of dissections upon those anatomical regions with which the dental and oral surgeon is especially concerned. Practical instruction in general and special

HISTOLOGY will be given in the histological laboratory to the students of the first year, the class being divided into sections. The laboratory is furnished with excellent microscopes, and all apparatus necessary to enable the student to become familiar with the most approved methods of microscopical technology and with the minute structure of all the tissues and organs. Special facilities are afforded for original research; for this purpose the laboratory is open throughout the year, except during July and August.

The OSTEO-SYNDESMOLOGICAL LABORATORY is under the supervision of the Professor of Anatomy and Demonstrator of Osteology. In this Laboratory, the First-year student is required to make himself familiar with the skeleton and the articulations as a part of his instruction in practical anatomy.

The course in PHYSIOLOGY includes thorough instruction on the subject of animal physiology, with special reference to the physiology of Man.

The lectures on DENTAL PATHOLOGY include such portions of general pathology as have a bearing upon the special subjects taught.

Dentition and its possible pathological results receive careful attention, followed by a detailed consideration of all the diseases to which the teeth and surrounding parts are liable; the normal and abnormal character of the oral secretions, and the direct and remote relations that the pathological conditions of the mouth sustain to other portions of the system.

The treatment required under each head is explained, and the recognized processes necessary to secure a return to normal conditions are minutely detailed.

MATERIA MEDICA is taught with special reference to the character and value of those remedies which have any bearing upon dental therapeutics.

BACTERIOLOGY.—The study of BACTERIOLOGY is an obligatory part of the second-year curriculum. The growing importance of this subject in relation to dental pathology and therapeutics has made necessary certain modifications in the technique of nearly all dental operations. A clear understanding of the practical bearing of bacterial life-processes has become a necessity for intelligent and successful dental practice, just as it has similarly for surgical practice.

The course is so arranged with respect to the requirements of the dental practitioner that he will afterwards be able not only to apply correctly the most approved methods for preventing and combating bacterial action, and to develop an efficient system of antiseptic technique in connection with his work; but he will also be trained

in the several methods that will enable him to study the bacterial factor which is the exciter of pathological conditions in special cases arising in his practice.

The instruction in BACTERIOLOGY, which is under the direction of Dr. A. C. ABBOTT, Professor of Bacteriology and Director of the Laboratory of Hygiene, is principally practical and embraces full laboratory instruction, covering the following subjects:

1. Apparatus employed—sterilizers, incubators, pressure regulators, thermostats, etc.
2. Culture media, methods of preparation, sterilization methods.
3. Microscopic characteristics of cultures of bacteria in general and of special forms.
4. Methods of obtaining, from mixtures of different bacteria, individual species in pure cultures.
5. Microscopic technique. Use and care of instruments, staining from cultures, section cutting and staining and mounting of tissues.
6. Pathogenic bacteria, isolation, identification and inoculation.
7. Disinfection of instruments, appliances, etc., thermal and chemical, methods and apparatus, modes of testing efficiency.
8. Antisepsis and asepsis in dental surgery, preparation of dressings, instruments, operator and assistants and of patients.

Following this, the special study of Bacteriology in relation to dental pathological conditions will receive full consideration and elaboration. The classification, life-history, modus of infection and pathological significance of all bacterial forms having distinct dental importance will be studied in detail.

The lectures on these subjects are appropriately illustrated, and accompanied by suitable demonstrations whenever possible. The Laboratory of Hygiene has a thoroughly equipped department for practical instruction in Bacteriology, including an ample number of high-grade microscopes for the special use of dental students in the study of this branch. Examination upon the subject will be a pre-requisite to the obtaining of the dental degree.

The text-book required is Abbott's *Principles of Bacteriology*. Miller's *Micro-organisms of the Human Mouth* will be used for the special study of the dental aspect of the subject.

CLINICAL DENTISTRY.—The instruction in this department has for its object the study of the whole range of dental operations as they arise in practice, especially from the clinical point of view.

The valuable clinical material which is afforded by the large dental infirmary service of the University is utilized as the basis of the instruction given, both didactically and by demonstration. Cases are continually presenting for treatment in the infirmary which furnish important points for study, and whenever these form suitable subjects for demonstration a study of the case is made for the benefit of the class. The student is thus brought into close contact with a great variety of dental and oral disorders, and is made familiar with the methods of diagnosis and the etiology and treatment of the conditions with the actual cases before him.

The teaching in this department includes, besides the foregoing, a study of the professional relations of the dentist to his patients, involving matters of deportment, habits of personal cleanliness, etc.; in short, all of those factors of professional conduct and bearing which, taken altogether, determine the degree of his professional success.

In the lectures on CLINICAL DENTISTRY, all of the latest developments in operative procedures, so far as they may have value from the clinical standpoint, are presented and critically considered.

ORAL SURGERY is a specialty which is a distinct outgrowth from Dentistry. As the work of the dentist came to include operations upon the surrounding tissues, as well as upon the teeth themselves, the adoption of surgical methods and more thorough training in the principles and practice of surgery became necessary. The addition of instruction in this branch to the dental curriculum includes thorough instruction in the surgical and pathological anatomy of the mouth, jaws, and associate parts; the etiology, diagnosis and treatment of lesions of these parts; the most advanced methods of operative technique, including the use of the surgical engine, surgical anesthesia, asepsis and antiseptics, and after-treatment of the case.

The instruction is both didactic and clinical, and students are encouraged to study and personally treat cases under the supervision of the Professor of Oral Surgery and his assistants.

Special facilities for the performance of oral surgical operations and for the care of patients are provided in the University Hospital and the Philadelphia Hospital.

CLINICAL PRACTICE.

Seven hours daily (except on Saturdays) are spent in actual practice under the supervision of the demonstrators; on Saturdays from 9 A. M. to 12 M. Every student is required to provide his own instru-

ments, except those for extracting. He is expected to keep them in perfect order, and will be furnished with a place in which they can be locked when not in use.

INFIRMARY AND LABORATORIES.

The Infirmary and Laboratories are open to the students for practice every day during the week, except on Saturday afternoons, which are reserved for clinics that may be given by members of the faculty or instructors.

The Infirmary and Laboratories are open throughout the year, except during July and August.

MUSEUM AND CABINETS.

The WISTAR AND HORNER MUSEUM, founded nearly one hundred years ago, and annually augmented, is unequalled in the United States for the number and variety of its specimens of the normal and the morbid anatomy of the human body. It also contains a large number of preparations in Comparative Anatomy; a rich collection relating to Dentistry, such as the different stages of dentition, abnormal conditions of the teeth, mandibles of the lower animals, etc.; and an extensive collection of models. This collection is deposited in the building opposite Medical Hall, erected by General Isaac J. Wistar, and called the WISTAR INSTITUTE OF ANATOMY AND BIOLOGY. The Museum is open every week-day, excepting holidays, from 9 A. M. to 3.30 P. M., throughout the sessions. The matriculation fee in the Department of Dentistry confers admission to the Museum.

TUITION FEES AND EXPENSES.*

The tuition fee is \$100 per annum and is due on the last Friday of September, which is the first day of the term. If a division of payment is desired, one half is to be paid on or before October 1, and the remaining half on or before February 1, in accordance with the University Rules governing Payments (see Index). Remittances should be for the exact amount due, and should be in cash, or by bank draft, certified cheque, or postal money order. All fees are payable at the Bursar's office, Room 102, College Hall.

* For Estimate of Expenses, see pages 48 and 49.

Under no circumstances are any changes made in the established fees.

Students of the Department of Dentistry may attend, without additional charge, the lectures and recitations in any other department of the University. This privilege may be obtained only by the concurrent approval, in writing, of the respective Deans.

Each student is required to make a deposit of five dollars with the Bursar of the University to cover breakage in the laboratories or loss of or damage to University property. Any balance remaining is returned upon graduation or withdrawal of the student from the University.

Instruments for the first year can be procured at from \$60 to \$75. A dental engine will be needed for the second year, costing from \$40 to \$60. Additional instruments will be required for the second- and third-year work. These instruments may be utilized in general practice.

Rooms may be had in the University Dormitories (see Index) or in houses near the University, and board may be had in the University Dining Hall or in private boarding houses. In any case the cost for board and lodging will be from \$5.00 a week upward.

Dental Hall is provided with locker facilities for the storage of instruments, apparel, etc. It is to be understood, however, that the lockers are provided solely as an accommodation, and that in renting them to the students the Department assumes no responsibility whatever with respect to the care or loss of the contents.

First Year.

| | |
|---|--------|
| Matriculation Fee (paid once only)..... | \$5 00 |
| Tuition Fee | 100 00 |
| Fee for Dissection | 5 00 |
| Use of Dissecting Material (one part) | 1 50 |
| Breakage Deposit | 5 00 |

Second Year.

| | |
|---|----------|
| Tuition Fee | \$100 00 |
| Fee for Dissection | 5 00 |
| Use of Dissecting Material (one part) | 1 50 |

Third Year.

| | |
|----------------------|----------|
| Tuition Fee | \$100 00 |
| Graduation Fee | 30 00 |

Further information may be obtained from

EDWARD C. KIRK, Dean.

The Dean's office is in Room 39, Dental Hall, Thirty-third and Locust streets. Office hours: 9 A. M. to 1 P. M., daily.

The total number of new matriculates for the present session, including those admitted to advanced standing, is 190.

Since the foundation of the Department, the total number of graduates has been 1,699.

The subjoined reports give some conception of the character and mass of work performed in the Operative and Prosthetic Departments; but the amount of costly material and careful attention necessary for the insertion of 8,026 gold fillings can be appreciated only by the experienced operator.

The number of patients (12,275) exhibits the extent of the dental infirmary service to a large class of persons of limited means.

OPERATIVE DEPARTMENT.

| | |
|---------------------------------|--------|
| Gold fillings | 8,026 |
| Tin fillings | 862 |
| Cement fillings | 2,006 |
| Amalgam fillings | 2,015 |
| Gutta-percha fillings | 1,373 |
| Canal fillings | 768 |
| Pulpitis | 138 |
| Pulps capped | 241 |
| Pulps devitalized | 719 |
| Pulps extracted | 639 |
| Treatment pulp canals | 1,195 |
| Pericementitis | 116 |
| Alveolar abscess | 333 |
| Inflammation of gums | 184 |
| Pyorrhœa alveolaris | 374 |
| Salivary calculus | 449 |
| Teeth and roots extracted | 3,329 |
| Total | 22,767 |

Seventy-five ounces (6 lbs. 3 ozs.) of gold were used for filling, exclusive of that used for plate and crown work in the Laboratory.

PROSTHETIC DEPARTMENT.

| | |
|--|--------------|
| Full Dentures (Clinical, 135—Technic, 833) | 968 |
| Partial Dentures (Clinical, 126—Technic, 741) | 867 |
| Artificial Crown Work (Clinical, 168—Technic, 1,308) | 1,476 |
| Repair cases | 138 |
| Bridge Work—Clinical | 35 |
| Continuous Gum Bridge | 130 |
| Bridge Work—Technic | 468 |
| Interdental Splints | 158 |
| Regulating Plates and Appliances | 131 |
| Total | 4,371 |

ESTIMATE OF EXPENSES.

FIRST YEAR.

| | |
|--|-----------------|
| General Tuition Ticket | \$105 00 |
| Dissecting Ticket | 5 00 |
| Use of Dissecting Material (one part) | 1 50 |
| Breakage Deposit | 5 00 |
| Three quizzes (optional) | 21 00 |
| Books (about) | 30 00 |
| Instruments (about) | 70 00 |
| Deposit for lockers | 2 00 |
| Materials for Histological and Prosthetic Work | 6 00 |
| Board, 35 weeks at \$5.00 | 175 00 |
| Washing, 35 weeks at 75 cents | 26 25 |
| Total, first year | \$446 75 |

SECOND YEAR.

| | |
|---|----------|
| General Tuition Ticket | \$100 00 |
| Dissecting Ticket | 5 00 |
| Use of Dissecting Material (one part) | 1 50 |
| Dental Engine, instrument (about) | 50 00 |
| Additional instruments (about) | 80 00 |
| Two quizzes (optional) | 14 00 |
| Books (about) | 15 00 |

| | |
|--|--------|
| Deposit for lockers | \$2 00 |
| Material for Prosthetic Technic Work | 2 00 |
| Board, 35 weeks at \$5.00 | 175 00 |
| Washing, 35 weeks at 75 cents | 26 25 |

Total, second year\$470 75

THIRD YEAR.

| | |
|--|----------|
| General Tuition Ticket | \$100 00 |
| Graduation Fee | 30 00 |
| Quiz Classes (optional) | 20 00 |
| Class expenses; rental of Cap, Gown and Hood | 5 00 |
| Instruments (about) | 20 00 |
| Deposit for lockers | 2 00 |
| Material for Prosthetic Technic Work | 2 00 |
| Material for Ceramic Work..... | 3 50 |
| Board, 37 weeks at \$5.00 | 185 00 |
| Washing, 37 weeks at 75 cents | 27 75 |

Total, third year\$395 25



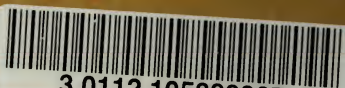
DENTAL CALENDAR FOR 1903-1904.

1903

- Sept. 18, Friday, ...Competitive Examination for Dental Scholarships.
- Sept. 22, Tuesday, ...Examinations for Admission to Advanced Standing, and Re-examinations of Undergraduates: 10 A. M.
- Sept. 22, Tuesday, ...Entrance Examinations: 9 A. M.
- Sept. 25, Friday, ...Session begins: 12 M.
- Nov. 25, Wednesday, ...Thanksgiving Recess begins: 6 P. M.
- Nov. 30, Monday, ...Thanksgiving Recess ends: 9 A. M.
- Dec. 22, Tuesday, ...Christmas Recess begins: 6 P. M.

1904

- Jan. 4, Monday, ...Christmas Recess ends: 9 A. M.
- Feb. 22, Monday, ...University Day. Recess.
- March 31, Thursday, ...Easter Recess begins: 6 P. M.
- April 4, Monday, ...Easter Recess ends: 9 A. M.
- June 15, Wednesday, ...Commencement, 11 A. M.



3 0112 105899907